

# Coarse. Fine. Yellow.

**Klingspor solutions for  
the wood trade and  
furniture industry**



## A useful guidebook

This brochure is intended to serve you as a guidebook that will lend useful assistance, not only in finding the abrasive tool that fits your needs best, but also in answering your most pressing questions on how to process a construction material that ranks among the oldest and most popular materials of all time.

We will start with the basics and discuss the properties of the abrasive material. Which components are responsible for what tasks and what is their effect on the sanding result?

The choice of the proper abrasive tool hinges on the hardness of the wood. This is why we compiled a chart on page 10 in which we grouped the different types of wood into categories ranging from "very soft" to "very hard".

In the section named "Stationary sanding" we will merge all there is to know about the tools with the facts about the material. Which product with which grit size is the best match for which step of the process? What is the impact of grit sequence and contact elements

on the sanding process and the sanding result?

We will provide you with both important notes on application and concrete product suggestions.

Naturally, we will also be talking in more detail about the topics of "handheld machines" and "off-hand sanding" and give you user tips that you may find helpful.

At the end of each section you will find a product overview with key product characteristics and information on the area of application.

Our handbook "Klingspor solutions for the wood trade and furniture industry" is a valuable body of knowledge centred on the topics of sanding and wood. You will receive clearly arranged information on a variety of sanders and processing methods including a selection of the products that are most suitable for these applications.

# Target industries

**Wood industry (manufacturers of plywood and chipboards and of doors and floor coverings)**



**Woodworking (joinery and carpentry shops, staircase and railing construction, furniture making and instrument makers)**



**Wood restoration (floor coverings, furniture and staircases)**







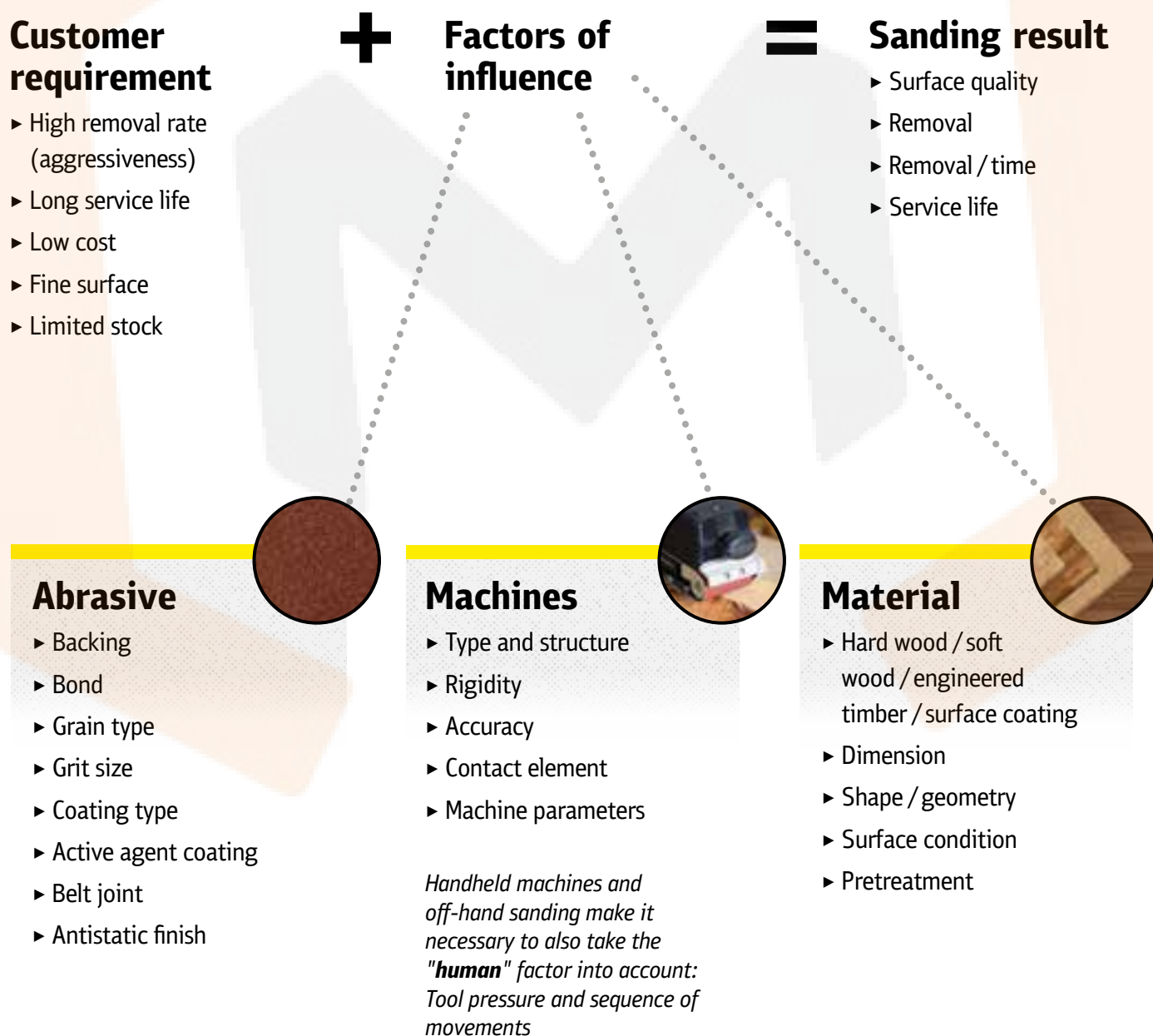


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# Factors influencing the sanding result

As a general rule, a wooden surface has been sanded properly once no longer showing any projecting fibres. However, there are a multitude of factors that influence the sanding result. The diagram below illustrates what these factors are.



# The selection of the right abrasive

## 1 Backing

The backing carries the abrasive grain and transmits the cutting forces onto the workpiece surface. As a general rule, the bigger the abrasive grain, the higher the cutting performance and the higher the load exerted on the backing. The higher the load is, the stronger and more tear-resistant the backing needs to be.

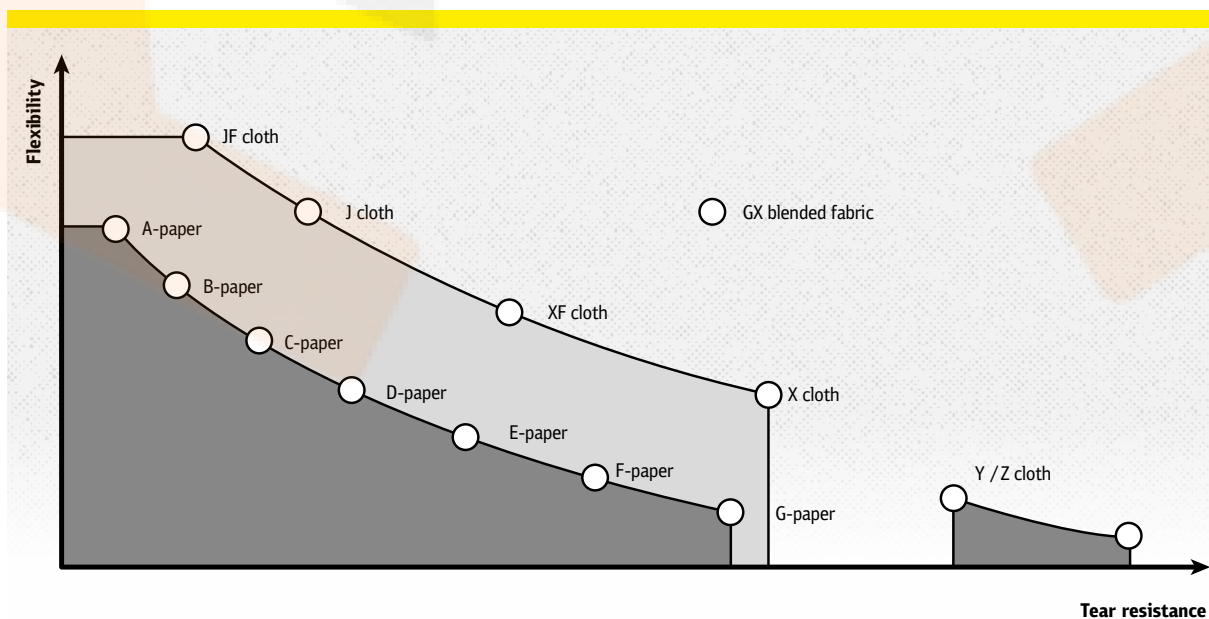
There are basically four materials that are used to make the backing:

1. Paper
2. Cotton cloth
3. Polyester cloth
4. Polyester film

The following properties play a key role in the selection of the right abrasive:

**Tear resistance:** Since at times subjected to tremendous tensile forces, some abrasive tools need to be matched with a backing of great tear resistance. Backings that provide the strongest tear resistance are made of polyester, but at the same time, offer only minimum flexibility.

**Flexibility:** Workpieces with high profiles must be processed with an abrasive whose backing is capable of shaping to the contour of the workpiece. These applications require a great deal of flexibility, which in turn, has a negative impact on tear-resistance.





## 2 Abrasive grain

The selection of the right abrasive grain hinges on two important aspects:

1. Hardness
2. Toughness

Coated abrasives are paired with four different types of synthetically made grains:

1. Silicon carbide (SiC)
2. Aluminium oxide ( $\text{Al}_2\text{O}_3$ )
3. Zirconia alumina ( $\text{ZrAl}_2\text{O}_3$ )
4. Ceramic grain ( $\text{Al}_2\text{O}_3$ )

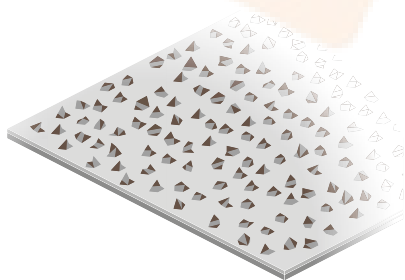
The most common grain used in woodworking is aluminium oxide as the hardness of this grain is generally sufficient for sanding wood. A good choice for engineered timbers, like MDF and particle board or for particularly tough types of varnish, is silicon carbide as it is exceedingly hard and has sharp edges. Finally, zirconia alumina as well as ceramic aluminium oxide deliver excellent sanding results on hardwood. Please note: the life time of abrasive when working on timber is more often dictated by loading of the sanding dust into the abrasive, rather than the abrasives wearing out.

## 3 Coating

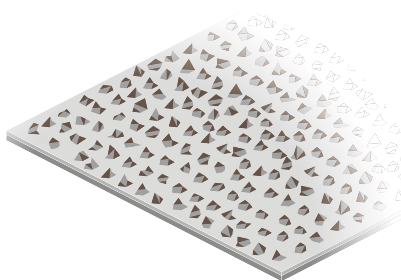
Coated abrasives come with abrasive grains that are applied with different coating densities. The term "coating density" signifies at what distance from one another the abrasives grains are placed on the backing.

The sanding result primarily depends on the coating density with which the abrasive grains have been applied on the abrasive. As a general rule, the denser the coating the smoother the surface. Meanwhile, the greater the coating density, the higher the risk that the abrasive will clog during the sanding process. The abrasive grains used in woodworking are predominantly applied with an open coating. However, close coatings are used as well if the wood to be processed is particularly hard and dry.

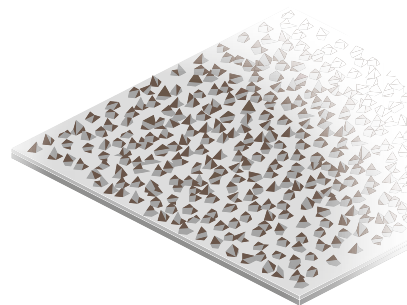
**Open coating**



**Semi-open coating**

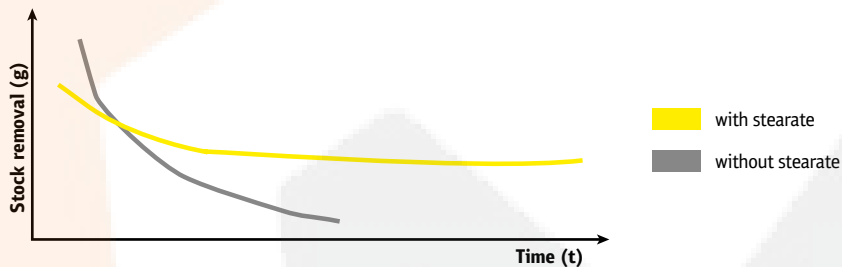


**Close coating**



## 4 Stearate coatings

Users processing soft materials that become sticky under the influence of heat, such as paints and varnishes, may experience that the abrasive dust will “clog” the abrasive due to local heating. The dust will then cling to the grain points and settle in the spaces between the grains. The resulting clogging of the abrasive grains will render their sharp cutting edges ineffective. To prevent / delay this effect, coated abrasives can be covered with a non-stick agent named stearate. Stearate keeps the abrasive from clogging as it is shed from the abrasive surface along with the adhering “varnish particles”.



## Advanced Coating Technology

Advanced Coating Technology (ACT) is an enhanced top coat technology that keeps the abrasive from becoming prematurely clogged by abrasive dust, providing for a longer service life and a cleaner surface finish.



without ACT



with ACT

## Good to know

### Antistatic effect requires correct humidity

Production machines for electrically insulated endless products have to be protected against electrical charges. Abrasives with paper backing that are equipped with the antistatic effect require a minimum humidity of 30%. If the humidity deviates greatly from this specification, the antistatic effect of the paper backing may become ineffective.



## 5 Material

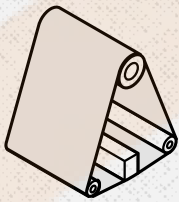
The table below shows a classification of the main types of construction wood into five different hardness categories. The hardness of the wood has an impact on such factors as the choice of the right coating and backing.

<b>Very soft</b>	<b>Balsa</b>	<b>Basswood</b>	<b>Poplar</b>	<b>Aspen</b>	
<b>Soft</b>	<b>Spruce</b>	<b>Pine</b>	<b>Alder</b>	<b>Fir</b>	
<b>Medium hard</b>	<b>Pear</b>	<b>Birch</b>	<b>Walnut</b>	<b>Lark</b>	
<b>Hard</b>	<b>Oak</b>	<b>Yew</b>	<b>Ash</b>	<b>Maple</b>	<b>Beech</b>
<b>Very hard</b>	<b>Boxwood</b>	<b>Hornbeam</b>	<b>Locust</b>	<b>Guaiacum</b>	<b>Ebony</b>



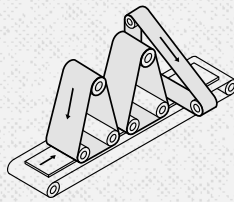
# Overview of stationary machines

Carrying a comprehensive range of products, Klingspor offers the right abrasive tool for all types of machines and all standard applications commonly required on the market.



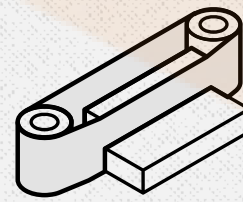
## Wide belt sander

- Contact roller: Steel, rubber
- Pressure pad
- Segmented pressure pad
- Pressure segment belt



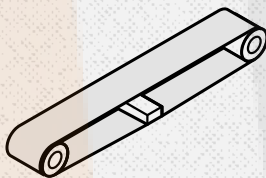
## Wide belt machines with cross belt unit

- Pressure pad
- Pressure segment belt



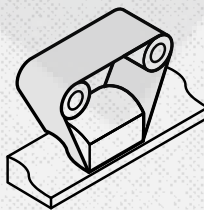
## Edge sander

- Contact surface: Graphite covering
- Contact roller: Steel



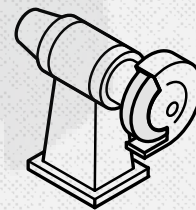
## Long belt sander

- Contact shoe: Graphite covering and felt pad



## Profile sander

- Profile shoe: Steel
- Edge sanding unit



## Floor-standing grinder

- Tools with flaps (mop wheels), primarily with slashed flaps
- For perfect contouring to profiled workpieces



## Good to know

Contact rollers are primarily for calibrating a flat even surface, with a high material removal rate. Whereas pressure pads are used exclusively for improving the surface quality.

# Grit sequence and contact elements

Aside from the abrasive belt itself, there are two additional factors that impact the sanding result during belt sanding: the type of the contact element and the selected grit sequence. Contact elements fall into two different categories: contact rollers and so-called sanding shoes. You can use the table below to determine which contact element is used for which grit size and in which work step.

Grit size	Application	Backing	Description	Contact element
P 24 – 80	Coarse sanding / calibration	Y-cloth belt	Heavy, high strength	Contact roller
		F-paper	Approx. 300 g/m <sup>2</sup>	
P 80 – 180	Pre-sanding	F-paper	Approx. 300 g/m <sup>2</sup>	Contact shoe, pressure pad
		Y-cloth belt	Heavy, high strength	
P 180 – 320	Intermediate sanding	F-paper	Approx. 300 g/m <sup>2</sup>	Contact shoe, pressure pad
		E-paper	Approx. 250 g/m <sup>2</sup>	
		D-paper	Approx. 220 g/m <sup>2</sup>	
P 320 – 800	Fine sanding	E-paper	Approx. 250 g/m <sup>2</sup>	Contact shoe, pressure pad
		D-paper	Approx. 220 g/m <sup>2</sup>	
		Film backing	Polyester film	
P 80 – 400	Profile strips	JF cloth backing	Light, highly flexible	Profile sanding shoe
		J-cloth belt	Light, flexible	

## Good to know

Belt sanding is usually performed in the direction of the grain. Sanding across the grain will give a rougher surface finish. While producing a higher chipping volume, sanding against the grain will also create a surface that is substantially rougher. Exceptions include bevelled wooden frames that do not allow for sanding with the grain (as the wooden elements are joined at right angles). The higher the cutting speed, the greater the stock removal per unit of time and the finer the surface finish. However, higher speeds will also shorten the service life of the abrasive tool.



# Cutting speed

The cutting speed refers to the speed at which a tool moves during sanding. The cutting speed of a belt sander is the circumferential speed of the belt.

Material	Cutting speed in m/s	Process	Pressing element
Solid wood / hard	15 – 25	Longitudinal sanding / cross sanding	Pressure pad / contact roller
Solid wood / soft	15 – 20	Longitudinal sanding / cross sanding	Pressure pad / contact roller
Veneer	10 – 20	Longitudinal sanding / cross sanding	Pressure pad
Nitrocellulose varnish	3 – 8	Longitudinal sanding	Pressure pad
Polyurethane varnish (PU varnish)	4 – 10	Longitudinal sanding	Pressure pad
UV acrylic varnish	4 – 10	Longitudinal sanding	Pressure pad
Polyester high gloss varnish	6 – 15	Longitudinal sanding / cross sanding	Pressure pad
Hydro varnish	2 – 8	Longitudinal sanding	Pressure pad
Filler	5 – 10	Longitudinal sanding	Pressure pad

## Good to know

Industrial businesses use long belts as cross sanding units in automatic sanding machines (in combination with wide belt units). The abrasive belts are applied to the surface via a pressure pad, crosswise to the feed direction of the workpiece. Apart from keeping the tools from grinding out the early wood zones of soft woods, this method (cross sanding) prevents the abrasive belts from becoming partially clogged prematurely when sanding workpieces with edge banders.



# Stock removal per unit

The stock removal per unit achieved by a machine equipped with three belts is divided as follows:

- Belt 1: 60 %
- Belt 2: 30 %
- Belt 3: 10 %

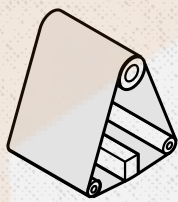
The stock removal per unit achieved by a machine equipped with two belts is divided as follows:

- Belt 1: 75 %
- Belt 2: 25 %



# Belt joints

Klingspor offers belts with a variety of belt joints. The belt joint you require will depend on the use case and the machine. The images below show the most common types of belt joints.



**Wide belt sander**

## Paper backing



### Form 1

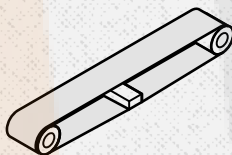
Cut with a bevel and bonded with an overlap.

## Cloth backing



### Form 4 G

Cut with a bevel. Butt joint supported with a piece of fabric-reinforced tape bonded underneath. Ideal for use under heavy load.



**Long belt sander**



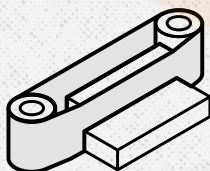
### Form 2

Cut with a bevel, bonded with an overlap. Grain points ground down to achieve smoother belt operation.



### Form 4 G

Cut with a bevel. Butt joint supported with a piece of fabric-reinforced tape bonded underneath. Ideal for use under heavy load.



**Edge sander**



### Form 5

Cut with a bevel, bonded with an overlap. Grain zone ground down completely. Preferred joint for wood sanding with planar contact elements.



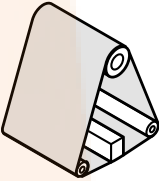






### Form 5

Cut with a bevel, bonded with an overlap. Grain zone ground down completely. Preferred joint for wood sanding with planar contact elements.









## Notes

# Product selection by machine

The hardness of the wood and the special requirements imposed on the product (e.g. aggressive abrasive performance) define the type of coating and the backing that should be selected. The table below describes the interdependence of machine, material, coating and backing. The column "Product characteristic" illustrates how the aforementioned parameters interact.

Machine	Material	Coating	Backing	Product characteristic	Product positioning
 Wide belt sander	 Hardwood	 Close	Paper	Aggressiveness	Premium
				Uniform surface	Standard
			Cloth	Tear resistance	Premium
				High temperature resistance	Standard
	 Softwood	 Open	Paper	Service life	Premium
				Optimum price-performance ratio	Standard
		 Semi-open		Aggressiveness and tear resistance	Premium
			Cloth	Service life and tear resistance	Standard
		 Open			

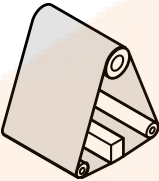



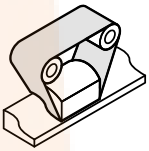




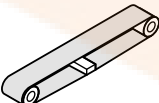
















Process step					Product characteristics	Page
Coarse sanding	Pre-sanding	Intermediate sanding	Fine sanding	Profile sanding		
Grit 24 – 80*	Grit 80 – 180*	Grit 180 – 320*	Grit 320 – 800*	Grit 80 – 400*		
 <b>PS 61 F</b>					<ul style="list-style-type: none"> <li>Consistently aggressive abrasive performance thanks to microcrystalline and self-sharpening ceramic grain</li> </ul>	24
 <b>PS 22 F ACT</b>					<ul style="list-style-type: none"> <li>High removal rate and a fine scratch pattern</li> <li>Specially designed for hardwood, HPL boards as well as boards coated with melamine and primer foil</li> <li>Reduced clogging, increased service life thanks to ACT recipe and antistatic finish</li> </ul>	24
 <b>CS 308 Y</b>					<ul style="list-style-type: none"> <li>Tear-resistant universal abrasive cloth for surface sanding on hardwood</li> <li>Extra high removal rate during use under heavy load</li> <li>Also suitable for use in humid environments thanks to the backing made of blended fabric</li> </ul>	25
 <b>CS 310 X</b>					<ul style="list-style-type: none"> <li>High quality abrasive cloth with excellent grit adhesion and stable cotton backing</li> <li>Exceptionally versatile in all areas of woodworking</li> </ul>	25
 <b>PS 29 F ACT</b>					<ul style="list-style-type: none"> <li>Premium product for woodworking with semi-open coating of aluminium oxide grain, robust F-paper backing and antistatic finish</li> <li>Especially well-suited for surface sanding of soft woods</li> <li>Reduced clogging thanks to "Advanced Coating Technology" (ACT)</li> </ul>	26
 <b>PS 28 F</b>					<ul style="list-style-type: none"> <li>Universal abrasive belt with an outstanding price-performance ratio for all areas of woodworking</li> <li>Aluminium oxide applied with an open coating on an F-paper backing, especially well-suited for surface sanding of soft woods</li> <li>Reduced adherence of abrasive dust thanks to antistatic finish</li> </ul>	27
 <b>CS 336 Y</b>					<ul style="list-style-type: none"> <li>High removal rate, especially for calibrating the surfaces of wood-based materials (single-piece wide welts with a width of up to 1,620 mm)</li> <li>Optimum electrical conductivity, no adherence of dust thanks to perfect antistatic finish</li> </ul>	27
 <b>CS 311 Y ACT</b>					<ul style="list-style-type: none"> <li>Specially developed for calibration sanding of wood</li> <li>High quality abrasive belt with a stable, tear-resistant backing for high removal rates during work on wood and wood-based surfaces under heavy load</li> <li>Resistant to moisture/climatic changes</li> <li>The open grain coating, improved ACT recipe and antistatic finish provide for reduced clogging, resulting in a long service life, especially during work on softwood</li> </ul>	28

\*Please note the grit sizes available for the individual product types.

# Klingspor solutions for the wood trade and furniture industry

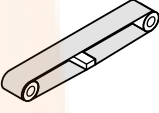






Stationary sanding









Machine	Material	Coating	Backing	Product characteristic	Product positioning
 <p>Wide belt sander</p>	 <p>Varnish/filler</p>	 <p>Close</p>	Paper	Aggressiveness	Premium
				Optimum price-performance ratio	Standard
	Accessories	 <p>Open</p>	Cloth	Service life	Premium
		Lamellar		Graphite slide coating	Premium
 <p>Profile sander</p>	 <p>Hardwood</p>	 <p>Close</p>	Cloth	Flexible	Premium
				Highly flexible	Premium
	 <p>Softwood</p>	 <p>Open</p>		Superflex	Premium
 <p>Long belt sander</p>	 <p>Hardwood</p>	 <p>Close</p>	Paper	Aggressiveness	Premium
				Uniform surface	Standard
			Cloth	Tear resistance	Premium
				High temperature resistance	Standard
				Universal	Standard

Process step					Product characteristics	Page
Coarse sanding	Pre-sanding	Intermediate sanding	Fine sanding	Profile sanding		
Grit 24 – 80*	Grit 80 – 180*	Grit 180 – 320*	Grit 320 – 800*	Grit 80 – 400*		
	 <b>PS 24 F ACT</b>				<ul style="list-style-type: none"> <li>▶ Hard and exceptionally sharp silicon carbide grain, applied with a close coating on a stable F-paper backing for the pre-sanding, intermediate sanding and fine sanding of tough or hard materials</li> <li>▶ Reduced clogging while processing varnishes, fillers and wood-based materials thanks to “Advanced Coating Technology” (ACT) and an antistatic finish</li> </ul>	28
	 <b>PS 524 E</b>				<ul style="list-style-type: none"> <li>▶ Universal abrasive belt for hard and tough workpiece surfaces</li> <li>▶ Exceptional scratch pattern for fine varnish surfaces in the wood and furniture industry</li> <li>▶ Excellent service life thanks to an antistatic finish</li> <li>▶ Outstanding price-performance ratio</li> </ul>	29
		 <b>PS 27 DW</b>			<ul style="list-style-type: none"> <li>▶ Special product for High quality painted surfaces, especially UV varnishes</li> <li>▶ Greatly reduced loading with significantly extended service life thanks to additional stearate coating and antistatic finish</li> </ul>	29
 <b>CS 395 X</b>					<ul style="list-style-type: none"> <li>▶ Reduces the friction between the back of the belt and the contact element, thus lowering heat production during the sanding process</li> <li>▶ Allows for smooth and uniform sanding</li> <li>▶ No self-fastening support</li> </ul>	36
				 <b>LS 309 J</b>	<ul style="list-style-type: none"> <li>▶ Excellent abrasive performance when used for sanding slight contours on wood workpieces</li> </ul>	30
				 <b>LS 309 JF</b>	<ul style="list-style-type: none"> <li>▶ High removal rate in woodworking applications</li> <li>▶ Exceptional ability to shape to radii and contours thanks to a highly flexible cotton backing</li> </ul>	30
				 <b>LS 318 JF ACT</b>	<ul style="list-style-type: none"> <li>▶ Top product for the processing of profiles and contours, especially in woodworking</li> <li>▶ Outstanding ability to curve to even the tightest radii thanks to a highly flexible cotton backing</li> <li>▶ Reduced clogging and long service life thanks to ACT recipe</li> </ul>	30
 <b>PS 61 F</b>					<ul style="list-style-type: none"> <li>▶ Consistently aggressive abrasive performance thanks to microcrystalline and self-sharpening ceramic grain</li> </ul>	31
 <b>PS 22 F ACT</b>					<ul style="list-style-type: none"> <li>▶ High removal rate and a fine scratch pattern</li> <li>▶ Specially designed for hardwood, HPL boards as well as boards coated with melamine and primer foil</li> <li>▶ Reduced clogging, increased service life thanks to ACT recipe and antistatic finish</li> </ul>	31
 <b>CS 308 Y</b>					<ul style="list-style-type: none"> <li>▶ Tear-resistant universal abrasive cloth for surface sanding on hardwood</li> <li>▶ Extra high removal rate during use under heavy load</li> <li>▶ Also suitable for use in humid environments thanks to the backing made of blended fabric</li> </ul>	31
 <b>CS 310 X</b>					<ul style="list-style-type: none"> <li>▶ High quality abrasive cloth with excellent grit adhesion and stable cotton backing</li> <li>▶ Exceptionally versatile in all areas of woodworking</li> </ul>	32
 <b>LS 309 X</b>					<ul style="list-style-type: none"> <li>▶ High quality universal abrasive cloth for a wide variety of woodworking applications</li> <li>▶ Excellent price-performance ratio</li> </ul>	32

# Klingspor solutions for the wood trade and furniture industry

Stationary sanding

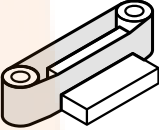


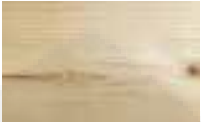




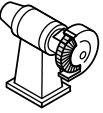

Machine	Material	Coating	Backing	Product characteristic	Product positioning
 <p>Long belt sander</p>	 <p>Softwood</p>	 <p>Open</p>	Paper	Service life	Premium
				Optimum price-performance ratio	Standard
	 <p>Varnish/filler</p>	 <p>Close</p>	Cloth	Service life + tear resistance	Standard
				Aggressiveness	Premium
		 <p>Open</p>	Paper	Optimum price-performance ratio	Standard
				Service life	Premium
	<p>Accessories</p>	 <p>Semi-open</p>	Film	T-ACT edge stability	Premium
			Cloth	Graphite slide coating	Premium











Process step					Product characteristics	Page
Coarse sanding	Pre-sanding	Intermediate sanding	Fine sanding	Profile sanding		
Grit 24 – 80*	Grit 80 – 180*	Grit 180 – 320*	Grit 320 – 800*	Grit 80 – 400*		
 <b>PS 29 F ACT</b>					<ul style="list-style-type: none"> <li>▶ Premium product for woodworking with semi-open coating of aluminium oxide grain, robust F-paper backing and antistatic finish</li> <li>▶ Especially well-suited for surface sanding of soft woods</li> <li>▶ Reduced clogging thanks to “Advanced Coating Technology” (ACT)</li> </ul>	33
 <b>PS 28 F</b>					<ul style="list-style-type: none"> <li>▶ Universal abrasive belt with an outstanding price-performance ratio for all areas of woodworking</li> <li>▶ Aluminium oxide applied with an open coating on an F-paper backing, especially well-suited for surface sanding of soft woods</li> <li>▶ Reduced adherence of abrasive dust thanks to antistatic finish</li> </ul>	34
 <b>CS 311 Y ACT</b>					<ul style="list-style-type: none"> <li>▶ Specially developed for calibration sanding of wood</li> <li>▶ High quality abrasive belt with a stable, tear-resistant backing for high removal rates during work on wood and wood-based surfaces under heavy load</li> <li>▶ Resistant to moisture/climatic changes</li> <li>▶ The open grain coating, improved ACT recipe and antistatic finish provide for reduced clogging, resulting in a long service life, especially during work on softwood</li> </ul>	34
 <b>PS 24 F ACT</b>					<ul style="list-style-type: none"> <li>▶ Hard and exceptionally sharp silicon carbide grain, applied with a close coating on a stable F-paper backing for the pre-sanding, intermediate sanding and fine sanding of tough or hard materials</li> <li>▶ Reduced clogging while processing varnishes, fillers and wood-based materials thanks to “Advanced Coating Technology” (ACT) and an antistatic finish</li> </ul>	34
 <b>PS 524 E</b>					<ul style="list-style-type: none"> <li>▶ Universal abrasive belt for hard and tough workpiece surfaces</li> <li>▶ Exceptional scratch pattern for fine varnish surfaces in the wood and furniture industry</li> <li>▶ Excellent service life thanks to an antistatic finish</li> <li>▶ Outstanding price-performance ratio</li> </ul>	35
 <b>PS 27 DW</b>					<ul style="list-style-type: none"> <li>▶ Special product for High quality painted surfaces, especially UV varnishes</li> <li>▶ Greatly reduced loading with significantly extended service life thanks to additional stearate coating and antistatic finish</li> </ul>	35
 <b>FP 77 K</b>					<ul style="list-style-type: none"> <li>▶ New high performance product with optimised addition behaviour</li> <li>▶ The new surface coating virtually prevents the adhesion of paint and dust particles, so that the service life of the abrasive is significantly increased</li> <li>▶ With a highly flexible and perfectly flat film backing for high quality surface finishing, in grit range 240 to 2000</li> </ul>	35
 <b>CS 395 X</b>					<ul style="list-style-type: none"> <li>▶ Reduces the friction between the back of the belt and the contact element, thus lowering heat production during the sanding process</li> <li>▶ Allows for smooth and uniform sanding</li> <li>▶ No self-fastening support</li> </ul>	36



# Klingspor solutions for the wood trade and furniture industry

Stationary sanding

Machine	Material	Coating	Backing	Product characteristic	Product positioning
 Edge sander	 Hardwood	 Close	Paper	Uniform surface	Standard
			Cloth	Universal	Standard
	 Softwood	 Open	Paper	Service life	Premium
			Cloth	Optimum price-performance ratio	Standard
	 Varnish/filler	 Close	Cloth	Service life + tear resistance	Standard
			Paper	Aggressiveness	Premium
	 Accessories	 Lamellar	Paper	Optimum price-performance ratio	Standard
			Cloth	Graphite slide coating	Premium
 Floor-standing grinder	 Universal	 Close	Cloth	Highly flexible	Premium
				Accessories	Standard

Process step					Product characteristics	Page
Coarse sanding	Pre-sanding	Intermediate sanding	Fine sanding	Profile sanding		
Grit 24 – 80*	Grit 80 – 180*	Grit 180 – 320*	Grit 320 – 800*	Grit 80 – 400*		
 <b>PS 22 F ACT</b>					<ul style="list-style-type: none"> <li>▶ High removal rate and a fine scratch pattern</li> <li>▶ Specially designed for hardwood, HPL boards as well as boards coated with melamine and primer foil</li> <li>▶ Reduced clogging, increased service life thanks to ACT recipe and antistatic finish</li> </ul>	31
 <b>LS 309 X</b>					<ul style="list-style-type: none"> <li>▶ High quality universal abrasive cloth for a wide variety of woodworking applications</li> <li>▶ Excellent price-performance ratio</li> </ul>	32
 <b>PS 29 F ACT</b>					<ul style="list-style-type: none"> <li>▶ Premium product for woodworking with semi-open coating of aluminium oxide grain, robust F-paper backing and antistatic finish</li> <li>▶ Especially well-suited for surface sanding of soft woods</li> <li>▶ Reduced clogging thanks to “Advanced Coating Technology” (ACT)</li> </ul>	33
 <b>PS 28 F</b>					<ul style="list-style-type: none"> <li>▶ Universal abrasive belt with an outstanding price-performance ratio for all areas of woodworking</li> <li>▶ Aluminium oxide applied with an open coating on an F-paper backing, especially well-suited for surface sanding of soft woods</li> <li>▶ Reduced adherence of abrasive dust thanks to antistatic finish</li> </ul>	34
 <b>CS 311 Y ACT</b>					<ul style="list-style-type: none"> <li>▶ Specially developed for calibration sanding of wood</li> <li>▶ High quality abrasive belt with a stable, tear-resistant backing for high removal rates during work on wood and wood-based surfaces under heavy load</li> <li>▶ Resistant to moisture/climatic changes</li> <li>▶ The open grain coating, improved ACT recipe and antistatic finish provide for reduced clogging, resulting in a long service life, especially during work on softwood</li> </ul>	34
	 <b>PS 24 F ACT</b>				<ul style="list-style-type: none"> <li>▶ Hard and exceptionally sharp silicon carbide grain, applied with a close coating on a stable F-paper backing for the pre-sanding, intermediate sanding and fine sanding of tough or hard materials</li> <li>▶ Reduced clogging while processing varnishes, fillers and wood-based materials thanks to “Advanced Coating Technology” (ACT) and an antistatic finish</li> </ul>	34
	 <b>PS 524 E</b>				<ul style="list-style-type: none"> <li>▶ Universal abrasive belt for hard and tough workpiece surfaces</li> <li>▶ Exceptional scratch pattern for fine varnish surfaces in the wood and furniture industry</li> <li>▶ Excellent service life thanks to an antistatic finish</li> <li>▶ Outstanding price-performance ratio</li> </ul>	35
 <b>CS 395 X</b>					<ul style="list-style-type: none"> <li>▶ Reduces the friction between the back of the belt and the contact element, thus lowering heat production during the sanding process</li> <li>▶ Allows for smooth and uniform sanding</li> <li>▶ No self-fastening support</li> </ul>	36
		 <b>MM 650</b>			<ul style="list-style-type: none"> <li>▶ An exceptional choice for profiled workpieces thanks to abrasive flaps with longitudinal slashes</li> <li>▶ Exceptional adaptability and ultra soft sanding thanks to 1:1 packaging of slashed abrasive flaps and highly flexible abrasive cloth</li> <li>▶ Shaping to different contours with only one abrasive wheel</li> </ul>	37
		 <b>SMD 612</b>			<ul style="list-style-type: none"> <li>▶ Mounting plate for MM 650</li> <li>▶ Ensures a smooth running and the safe mounting on the machine</li> </ul>	37

\*Please note the grit sizes available for the individual product types.

## Stationary sanding

Abrasive paper

### PS 61 F



#### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close
Backing	F-paper

#### Applications

Hardwood	●
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**Advantages:** Continuously aggressive abrasive behaviour due to micro-crystalline and self-sharpening ceramic grit

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

### PS 22 F ACT



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

#### Applications

Hardwood	●
Paint/Varnish/Filler	○



**Advantages:** High removal rate, fine surface scratch pattern, especially suitable for hardwood, HPL panels and melamine and primer foil coatings - Reduced clogging and longer service life due to ACT recipe and antistatic properties

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 308 Y



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	Y-polyester

### Applications

Hardwood	●
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**Advantages:** Tear-resistant universal abrasive cloth for surface sanding on hardwood - Extra high removal rate during use under heavy load - Also suitable for use in humid environments thanks to the backing made of blended fabric

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 310 X



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

### Applications

Hardwood	●
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**Advantages:** High quality abrasive cloth with excellent grit adhesion and stable cotton backing - Exceptionally versatile in all areas of woodworking

Available grits:

16 20 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

# Stationary sanding

Abrasive paper, ANTISTATIC

## PS 29 F ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

### Applications

Softwood	●
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**Advantages:** Premium product for woodworking with open coating of aluminium oxide grain, robust F-paper backing and antistatic finish - Especially well-suited for surface sanding of soft woods - Reduced clogging thanks to "Advanced Coating Technology" (ACT)

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
1100 x 1900	80	F1	10	307857
1100 x 1900	120	F1	10	307859
1120 x 1900	60	F1	10	292903
1120 x 1900	80	F1	10	292904
1120 x 1900	100	F1	10	292935
1120 x 1900	120	F1	10	292936
1120 x 1900	150	F1	10	292937
1120 x 2150	80	F1	10	307863
1120 x 2150	120	F1	10	307865
1350 x 2620	60	F1	10	292938
1350 x 2620	80	F1	10	292939
1350 x 2620	120	F1	10	292941
1350 x 2620	150	F1	10	292942
1350 x 2620	180	F1	10	307867



Abrasive paper, ANTISTATIC

## PS 28 F



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

### Applications

Softwood	●
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**Advantages:** Universal abrasive belt with an outstanding price-performance ratio for all areas of woodworking - Aluminium oxide applied with an open coating on an F-paper backing, especially well-suited for surface sanding of soft woods - Reduced adherence of abrasive dust thanks to antistatic finish

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
1120 x 1900	60	F1	10	321842
1120 x 1900	80	F1	10	321843
1120 x 1900	120	F1	10	321845
1120 x 1900	150	F1	10	321846
1350 x 2620	150	F1	10	320417

Abrasive cloth ANTISTATIC

## CS 336 Y



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Semi-open
Backing	Y-polyester

### Applications

Softwood	●
Wood-based materials	●

**Advantages:** High removal rate, especially suitable for calibration and fine sanding of wood-based materials (one piece wide belts up to 1620 mm) - Optimal static reduction - No dust accumulation due to perfect antistatic properties

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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All sizes and minimum purchasing quantities available on request

## Stationary sanding

Abrasive cloth ANTISTATIC

### CS 311 Y ACT



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	Y-polyester

#### Applications

Softwood	●
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**Advantages:** Specially developed for calibration sanding of wood - High quality abrasive belt with a stable, tear-resistant backing for high removal rates during work on wood and wood-based surfaces under heavy load - Resistant to moisture/climatic changes - The open grain coating, improved ACT recipe and antistatic finish provide for reduced clogging, resulting in a long service life, especially during work on softwood

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

### PS 24 F ACT



#### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	F-paper

#### Applications

Paint/Varnish/Filler	●
Wood	○



**Advantages:** Hard and exceptionally sharp silicon carbide grain, applied with a close coating on a stable F-paper backing for the pre-sanding, intermediate sanding and fine sanding of tough or hard materials - Reduced clogging while processing varnishes, fillers and wood-based materials thanks to "Advanced Coating Technology" (ACT) and an antistatic finish

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 524 E



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications

Paint/Varnish/Filler	●
Wood	○



**Advantages:** Universal belt for hard and tough workpiece surfaces - Fine sanding pattern in the wood and furniture industry - Long service life due to antistatic equipment - Very good price-performance ratio

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 27 DW



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

### Applications

Paint/Varnish/Filler	●
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**Advantages:** Special product for high quality varnish surfaces, especially UV finishes - Substantially reduced clogging and significantly longer service life due to additional stearate coating and antistatic properties

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

## Stationary sanding

Abrasive cloth

### LS 309 J



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	J-cotton

#### Applications

Hardwood	●
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**Advantages:** Good abrasive performance for working on slight contours on wood

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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All sizes and minimum purchasing quantities available on request

Abrasive cloth

### LS 309 JF



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

#### Applications

Hardwood	●
----------	---

**Advantages:** High removal rate in woodworking - Very good adaptation to radiuses and contours due to highly flexible cotton backing

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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All sizes and minimum purchasing quantities available on request

Abrasive cloth, ANTISTATIC, SUPERFLEX

### LS 318 JF ACT



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	JF-cotton

#### Applications

Softwood	●
----------	---

**Advantages:** Top product for working on profiles and contours, especially in woodworking - Outstanding adaptation, also to tight radiuses, due to highly flexible cotton backing - Reduced clogging and long service life due to the ACT recipe

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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All sizes and minimum purchasing quantities available on request

Abrasive paper

## PS 61 F



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close
Backing	F-paper

### Applications

Hardwood	●
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**Advantages:** Continuously aggressive abrasive behaviour due to micro-crystalline and self-sharpening ceramic grit

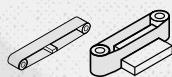
Available grits:

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All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 22 F ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

### Applications

Hardwood	●
Paint/Varnish/Filler	①

**Advantages:** High removal rate, fine surface scratch pattern - Specially developed for sanding and finishing of hardwood - Reduced clogging and longer service life due to ACT recipe and antistatic properties

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 308 Y



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	Y-polyester

### Applications

Hardwood	●
----------	---

**Advantages:** Tear-resistant universal abrasive cloth for hardwoods - Excellent removal rate under high stress - Also suitable for use in humid environments thanks to the backing made of blended fabric

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request



## Stationary sanding

Abrasive cloth

### CS 310 X



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

#### Applications

Hardwood	●
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**Advantages:** High quality abrasive cloth with excellent grit adhesion and stable cotton backing - Exceptionally versatile in all areas of woodworking

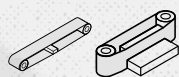
#### Available grits:

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All sizes and minimum purchasing quantities available on request

Abrasive cloth

### LS 309 X



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

#### Applications

Hardwood	●
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**Advantages:** High quality universal abrasive cloth for a wide variety of woodworking applications - Excellent price-performance ratio

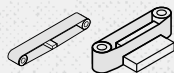
#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
150 x 1220	60	F5	10	38428
150 x 1220	80	F5	10	39852
150 x 2000	40	F4G	10	37071
150 x 2000	60	F4G	10	38460
150 x 2000	80	F4G	10	39884

Abrasive paper, ANTISTATIC

## PS 29 F ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

### Applications

Softwood	●
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**Advantages:** Premium product for woodworking with open coating of aluminium oxide grain, robust F-paper backing and antistatic finish - Especially well-suited for surface sanding of soft woods - Reduced clogging thanks to "Advanced Coating Technology" (ACT)

### Available grits:

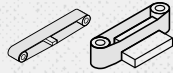
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
150 x 2000	80	F5	10	307797
150 x 2250	80	F5	10	307803
150 x 2250	100	F5	10	307804
150 x 2250	120	F5	10	307805
150 x 2280	80	F5	10	307807
150 x 2280	100	F5	10	307808
150 x 2280	120	F5	10	307809
150 x 2600	80	F5	10	307811
150 x 2600	100	F5	10	307812
150 x 2600	120	F5	10	307813
150 x 3000	100	F5	10	307815
150 x 7100	60	F2	10	307828
150 x 7100	80	F2	10	307829
150 x 7100	100	F2	10	307830
150 x 7100	120	F2	10	307831
150 x 7200	80	F2	10	307833
150 x 7200	100	F2	10	307834
150 x 7200	120	F2	10	307835
150 x 7800	80	F2	10	307840
150 x 7800	100	F2	10	307841
150 x 7800	120	F2	10	307842
150 x 7800	150	F2	10	307843
200 x 1600	80	F5	10	307844
200 x 3000	80	F5	10	307847
200 x 3000	100	F5	10	307848
200 x 3000	120	F5	10	307849

## Stationary sanding

Abrasive paper, ANTISTATIC

### PS 28 F



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

#### Applications

Softwood	●
----------	---

**Advantages:** Universal abrasive belt with an outstanding price-performance ratio for all areas of woodworking - Aluminium oxide applied with an open coating on an F-paper backing, especially well-suited for surface sanding of soft woods - Reduced adherence of abrasive dust thanks to antistatic finish

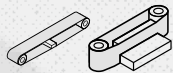
#### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth ANTISTATIC

### CS 311 Y ACT



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	Y-polyester

#### Applications

Softwood	●
----------	---

**Advantages:** Specially developed for calibration sanding of wood - High quality abrasive belt with a stable, tear-resistant backing for high removal rates during work on wood and wood-based surfaces under heavy load - Resistant to moisture/climatic changes - The open grain coating, improved ACT recipe and antistatic finish provide for reduced clogging, resulting in a long service life, especially during work on softwood

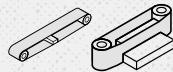
#### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

### PS 24 F ACT



#### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	F-paper

#### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Hard and exceptionally sharp silicon carbide grain, applied with a close coating on a stable F-paper backing for the pre-sanding, intermediate sanding and fine sanding of tough or hard materials - Reduced clogging while processing varnishes, fillers and wood-based materials thanks to "Advanced Coating Technology" (ACT) and an antistatic finish

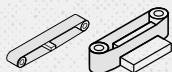
#### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 524 E



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications

Paint/Varnish/Filler	●
Wood	○

**Advantages:** Universal belt for hard and tough workpiece surfaces - Fine sanding pattern in the wood and furniture industry - Long service life due to antistatic equipment - Very good price-performance ratio

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 27 DW



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

### Applications

Paint/Varnish/Filler	●
----------------------	---

**Advantages:** Special product for high quality varnish surfaces, especially UV finishes - Substantially reduced clogging and longer service life due to additional special coating - Very fine surface scratch pattern

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive film, self-fastening

## FP 77 K T-ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

### Applications

Paint/Varnish/Filler	●
Primer	●
Filler	●

**Advantages:** New high performance product with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing

### Available grits:

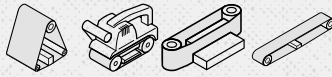
16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

## Stationary sanding

Graphite coated canvas

### CS 395 X



#### Properties

Grain	Graphite
Coating	Lamellar
Backing	X-cloth
Thickness	1,5 mm

**Advantages:** Reduces friction between the back side of the belt and the contact element - Reduces heat generation during the sanding process - Enables smooth and consistent sanding

**No self-fastening support**

All sizes and minimum purchasing quantities available on request



Abrasive mop

## MM 650



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** An exceptional choice for profiled workpieces thanks to abrasive flaps with longitudinal slashes - Exceptional adaptability and ultra soft sanding thanks to 1:1 packaging of slashed abrasive flaps and highly flexible abrasive cloth - Shaping to different contours with only one abrasive wheel

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
250 x 50 x 43,1	80	32 m/s	2450 rpm	2	2750
250 x 50 x 43,1	100	32 m/s	2450 rpm	2	2486
250 x 50 x 43,1	120	32 m/s	2450 rpm	2	2485
250 x 50 x 43,1	150	32 m/s	2450 rpm	2	2483
250 x 50 x 43,1	180	32 m/s	2450 rpm	2	2482
250 x 100 x 43,1	80	32 m/s	2450 rpm	1	10210
250 x 100 x 43,1	120	32 m/s	2450 rpm	1	2740
250 x 100 x 43,1	150	32 m/s	2450 rpm	1	2741
250 x 100 x 43,1	180	32 m/s	2450 rpm	1	2742

Use only with mounting plate SMD 612 (Cat. number 14823)!

Mounting plate

## SMD 612



**Advantages:** Ensures a smooth running and the safe mounting on the machine

Diameter x Bore in mm	Suitable for	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number
79 x 12	SM 611/NCW/NFW 600 (Ø150+Ø165) + MM 650 (Ø250)	Ø 40 mm	2	14823

# Handheld machines

The question as to which machine to use hinges primarily on the aspects of workpiece geometry, stock removal rate and desired surface quality. The following pages will explain which surface quality can be achieved with which handheld abrasive tool.



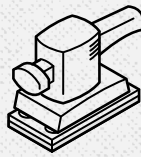
## Random orbital sander

Suitable tools:

- Discs

Properties:

- Sanding with eccentric rotations for large to small surfaces. For flat and profiled workpiece surfaces.



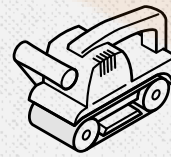
## Orbital sander

Suitable tools:

- Strips, rolls

Properties:

- Sanding with eccentric rotations for surfaces of small to medium size. Ideal for sanding along straight edges.



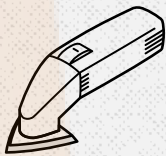
## Handheld belt sander

Suitable tools:

- Belts

Properties:

- Suitable for surface sanding and repairs on surface sections.
- Also suitable for large surfaces when paired with a sanding frame.



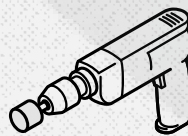
## Delta sander

Suitable tools:

- Triangles

Properties:

- Sanding with eccentric rotations for tight and hard-to-reach edges and corners



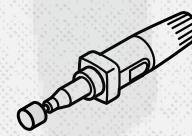
## Drilling machine

Suitable tools:

- Abrasive mop with fixing spindle

Properties:

- The radial placement of the abrasive flaps allows the abrasive mop to perfectly shape to the contours of the workpiece to be processed.



## Die grinder

Suitable tools:

- Abrasive mop with fixing spindle

Properties:

- The radial placement of the abrasive flaps allows the abrasive mop to perfectly shape to the contours of the workpiece to be processed.



## Flexible shaft

Suitable tools:

- Abrasive mop with fixing spindle

Properties:

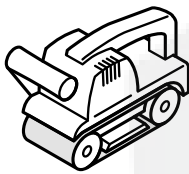
- The radial placement of the abrasive flaps allows the abrasive mop to perfectly shape to the contours of the workpiece to be processed.

# Factors affecting the sanding with handheld machines

## 1 Sander

The quality / roughness of the surface is largely determined by the grit size used. The smaller the grit size, the finer the scratch pattern and vice versa: While increasing the stock removal rate and the penetration depth of the grit, a bigger grit size will generally also result in a rougher surface.

### Scratch patterns after using different grit sizes on handheld machines



Images 1-3 are close shots of a hardwood surface that was sanded with 3 different grit sizes on a portable belt sander. The comparison shows: The finer the grit, the finer the surface.



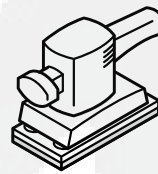
Image 1: Grit 60



Image 2: Grit 120



Image 3: Grit 240



This phenomenon can also be observed during sanding with a handheld orbital sander, as can be clearly seen in image sequence 4-6: The finer the grit, the lower the number of swirl marks, and the finer the surface quality.



Image 4: Grit 60




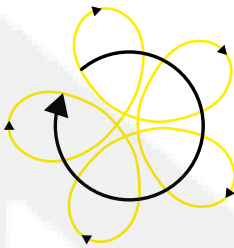
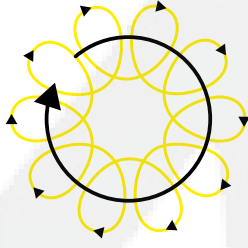
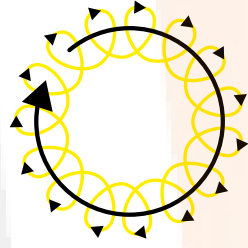



Image 5: Grit 120



Image 6: Grit 240

## 2 Oscillation

The example of the random orbital sander can be used to demonstrate that the operating range of the backing pad has a decisive effect on stock removal volume and surface quality. As a general rule, the more “sweeping” the oscillation of the backing pad, the greater the stock removal, but the rougher the surface quality as well. The relationship is reversed when the degree of oscillation decreases.

Process step	Coarse sanding	Intermediate sanding	Fine sanding
Removal rate	Greater		Lower
			
Grit	24 - 150	180 - 400	500 - 3000
Oscillation			
Lift	9 mm lift	6 mm lift	3 mm lift
Surface			

## 3 Backing pad HST 555 for random orbital sanders

This self-fastening backing pad connects velours-backed abrasives with the machine. It allows for a controlled distribution of the tool pressure across the workpiece surfaces thanks to different grades of backing pad hardness. Its multihole pattern makes it suitable for all standard hole patterns.



Finding the right backing pad			
Backing pad version	Soft	Medium	Hard
Properties	Good contouring to the workpiece surfaces, soft sanding with a fine scratch pattern	Universal pad for a wide variety of applications	Higher aggressiveness on flat surfaces



## 4 Hole patterns

The perfect pairing of the hole pattern on the backing pad of the machine with the abrasive disc and the matching extraction system allows for sanding with next to no dust. The hole pattern you need depends on the machine you are using.

Klingspor carries an extensive stock range of different hole patterns for discs and strips.

### Hole patterns for strips



**GL 1** 115 × 280 mm  
10 suction holes Ø 10 mm



**GL 3** 93 × 230 mm  
8 suction holes Ø 10 mm



**GL 9** 93 × 230 mm  
8 suction holes Ø 10 mm



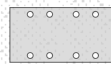
**GL 11** 115 × 280 mm  
14 suction holes Ø 10 mm



**GL 13** 115 × 280 mm  
8 suction holes Ø 10 mm



**GL 15** 115 × 230 mm  
10 suction holes Ø 10 mm



**GL 17** 93 × 180 mm  
8 suction holes Ø 10 mm



**GL 18** 80 × 133 mm  
8 suction holes Ø 10 mm

### Hole patterns for discs



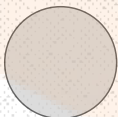
**GLS 4**  
Ø 115 mm  
8 suction holes Ø 10 mm  
on hole circle Ø 65 mm



**GLS 5**  
Ø 125 mm  
8 suction holes Ø 10 mm  
on hole circle Ø 65 mm



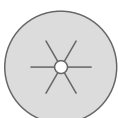
**GLS 27**  
Ø 125 mm  
8 suction holes Ø 10 mm  
on hole circle Ø 90 mm  
+ 1 centre hole Ø 10 mm



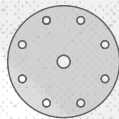
**Shape 0**  
no hole  
different dimensions



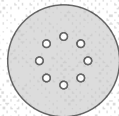
**Shape 10**  
round hole  
different dimensions



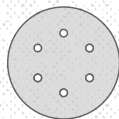
**Shape 30**  
star-shaped hole  
different dimensions



**GLS 1**  
Ø 150 mm  
8 suction holes Ø 10 mm  
on hole circle Ø 120 mm  
+ 1 centre hole Ø 17 mm



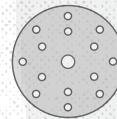
**GLS 2**  
Ø 150 mm  
8 suction holes Ø 10 mm  
on hole circle Ø 65 mm



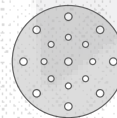
**GLS 3**  
Ø 150 mm  
6 suction holes Ø 10 mm  
on hole circle Ø 80 mm



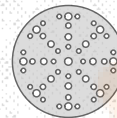
**GLS 15**  
Triangle Ø 96 mm  
6 suction holes Ø 8 mm  
on hole circle Ø 52 mm



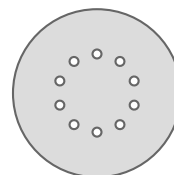
**GLS 47**  
Ø 150 mm  
8 suction holes Ø 9 mm  
on hole circle Ø 120 mm,  
6 suction holes Ø 9 mm  
to hole circle Ø 80 mm  
+ 1 centre hole Ø 17 mm



**GLS 51**  
Ø 150 mm  
8 suction holes Ø 9 mm  
on hole circle Ø 120 mm,  
8 suction holes Ø 9 mm  
on hole circle Ø 65 mm  
+ 1 centre hole Ø 10 mm



**GLS 74**  
Ø 150 mm  
8 suction holes Ø 9 mm  
on hole circle Ø 119 mm,  
16 suction holes Ø 9 mm  
on hole circle Ø 119 mm,  
8 suction holes Ø 7 mm  
on hole circle Ø 95 mm,  
8 suction holes Ø 8.5 mm  
on suction circle Ø 65 mm,  
8 suction holes Ø 6 mm  
on hole circle Ø 39 mm  
+ 1 centre hole Ø 10 mm




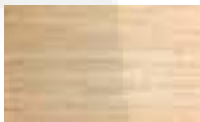





**GLS 52**  
Ø 225 mm  
10 suction holes Ø 12 mm  
on hole circle Ø 105 mm








Other hole patterns upon request



# Product selection by machine

The material to be processed and the special requirements imposed on the product (e.g. aggressive abrasive performance) define the type of coating and the backing that should be selected. The table below describes the interdependence of machine, material, coating and backing. The column "Product characteristic" illustrates how the aforementioned parameters interact.







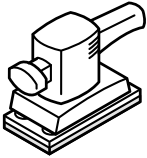


Machine	Material	Coating	Backing	Product characteristic	Product positioning
 Random orbital sander	 Wood	 Semi-open	Paper	Universal	Standard
		 Close	Paper	Service life	Standard
			Cloth	Aggressiveness	Premium
		 Open	Cloth	Aggressiveness / tear resistance	Premium
	 Varnish/filler		Mesh	Service life	Premium
	 Semi-open	Paper	Aggressiveness	Standard	










Process step				Product characteristics	Page
Coarse sanding	Pre-sanding	Intermediate sanding	Fine sanding		
Grit 24 – 80*	Grit 80 – 180*	Grit 180 – 320*	Grit 320 – 800*		
<div></div> <b>PS 22 K</b>				<ul style="list-style-type: none"><li>▶ High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines</li><li>▶ High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating</li><li>▶ Excellent stability and tear resistance thanks to E-paper backing</li><li>▶ Back laminated with velours for quick and easy installation</li></ul>	50
<div></div> <b>PS 33 CK</b>		<div></div> <b>PS 33 BK</b>	<ul style="list-style-type: none"><li>▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain</li><li>▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating</li><li>▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B- and C-paper backing</li><li>▶ The self-fastening version comes in numerous sizes and with a multitude of hole patterns for all common machines, most of them available directly from stock</li></ul>		51 – 52
<div></div> <b>PS 21 FK</b>				<ul style="list-style-type: none"><li>▶ Premium self-fastening disc for surface sanding using handheld machines</li><li>▶ Ultra high level of aggressiveness and outstanding service life thanks to self-sharpening zirconia alumina grain</li><li>▶ Exceptional stability and excellent edge strength on the perimeter thanks to strong F-paper backing</li><li>▶ Back laminated with velours for quick and easy installation and changing of the disc on standard self-fastening backing pads</li></ul>	53
<div></div> <b>CS 411 XK</b>				<ul style="list-style-type: none"><li>▶ Aggressive abrasive performance thanks to self-sharpening zirconia alumina</li><li>▶ Extra robust high performance abrasive disc with a tear-resistant X-cotton backing for rough and intermediate sanding of edges and surfaces</li></ul>	53 – 54
		<div></div> <b>AN 400</b>		<ul style="list-style-type: none"><li>▶ The open lattice structure allows for effective and full-surface dust extraction</li><li>▶ The dust-free sanding increases the service life of the abrasive tremendously</li><li>▶ Improved health and safety at the workplace thanks to reduced dust formation</li><li>▶ No dependency on existing suction hole systems</li></ul>	54
		<div></div> <b>PS 33 BK</b>		<ul style="list-style-type: none"><li>▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain</li><li>▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating</li><li>▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B- and C-paper backing</li><li>▶ The self-fastening version comes in numerous sizes and with a multitude of hole patterns for all common machines, most of them available directly from stock</li></ul>	51

\*Please note the grit sizes available for the individual product types.

# Klingspor solutions for the wood trade and furniture industry

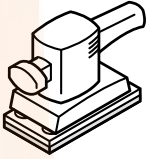





Sanding with handheld machines

Machine	Material	Coating	Backing	Product characteristic	Product positioning
 Random orbital sander	 Varnish/filler	 Semi-open	Paper	T-ACT service life	Premium
				Service life	Standard
			Film	T-ACT service life + edge stability	Premium
				Edge stability	Premium
 Delta sander	 Wood, paint/varnish/filler	 Open	Mesh	Service life	Premium
			Foam		
				Super finish	Premium
			Backing pad	Accessories	Premium
 Orbital sander	 Wood	 Close	Paper	Universal	Standard
			Paper	Service life	Premium












Process step				Product characteristics	Page
Coarse sanding Grit 24 – 80*	Pre-sanding Grit 80 – 180*	Intermediate sanding Grit 180 – 320*	Fine sanding Grit 320 – 800*		
	 <b>PS 77 CK</b>			<ul style="list-style-type: none"> <li>▶ New high performance product with optimised loading</li> <li>▶ Extended service life thanks to an innovative surface coating that keeps varnish and dust particles from sticking to the abrasive</li> <li>▶ A flexible and tear-resistant latex C-paper is used for aggressive sanding under high loads in the grit size range from 60 to 220</li> </ul>	55 – 56
	 <b>PS 73 BWK / CWK</b>			<ul style="list-style-type: none"> <li>▶ Improved abrasive performance and uniform scratch pattern thanks to tempered aluminium oxide grain</li> <li>▶ Outstanding flexibility combined with exceptional edge stability and tear resistance thanks to latex impregnated C-paper backing</li> <li>▶ The added active agent coating minimises clogging, thus extending service life</li> </ul>	56 – 57
		 <b>FP 77 K</b>		<ul style="list-style-type: none"> <li>▶ New high performance product with optimised loading</li> <li>▶ Extended service life thanks to an innovative surface coating that keeps varnish and dust particles from sticking to the abrasive</li> <li>▶ With a highly flexible and perfectly flat film backing for high quality surface finishing, in grit range 240 to 2000</li> </ul>	57 – 58
		 <b>FP 73 WK</b>		<ul style="list-style-type: none"> <li>▶ Improved abrasive performance and uniform scratch pattern thanks to tempered aluminium oxide grain</li> <li>▶ Abrasive disc offering great flexibility and exceptional adaptability combined with outstanding edge stability thanks to a tear-resistant film backing</li> <li>▶ The additional stearate coating minimises clogging, thus extending service life</li> </ul>	59
	 <b>AN 400</b>			<ul style="list-style-type: none"> <li>▶ The open lattice structure allows for effective and full-surface dust extraction</li> <li>▶ The dust-free sanding increases the service life of the abrasive tremendously</li> <li>▶ Improved health and safety at the workplace thanks to reduced dust formation</li> <li>▶ No dependency on existing suction hole systems</li> </ul>	70
			 <b>FD 500</b>	<ul style="list-style-type: none"> <li>▶ Exceptionally fine surface finish when used on varnish</li> <li>▶ Finishing touches prior to high gloss polishing</li> <li>▶ Outstanding flexibility during work on profiles and contours</li> <li>▶ Optimum pressure distribution thanks to elastic foam coating, preventing sanding through layers of varnish</li> <li>▶ Suitable for wet and dry use</li> </ul>	60
	 <b>HST 555</b>			<ul style="list-style-type: none"> <li>▶ Exceptional adhesion for all velours-backed discs thanks to fine, heat-resistant self-fastening support</li> <li>▶ For all standard hole patterns; also suitable for mesh-like patterns and a large variety of multihole patterns</li> <li>▶ Compatible with all standard random orbital sanders</li> </ul>	60
	 <b>PS 22 K</b>			<ul style="list-style-type: none"> <li>▶ High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines</li> <li>▶ High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating</li> <li>▶ Excellent stability and tear resistance thanks to E-paper backing</li> <li>▶ Back laminated with velours for quick and easy installation</li> </ul>	61
	 <b>PS 29 F ACT</b>			<ul style="list-style-type: none"> <li>▶ Premium product for woodworking with semi-open coating of aluminium oxide grain, robust F-paper backing and antistatic finish, especially for surface sanding of soft woods</li> <li>▶ Improved recipe, reduced clogging thanks to "Advanced Coating Technology" (ACT)</li> </ul>	62

# Klingspor solutions for the wood trade and furniture industry

Sanding with handheld machines

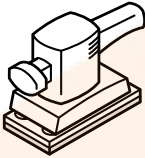



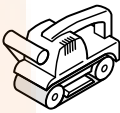
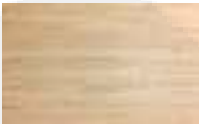

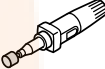

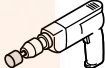


Machine	Material	Coating	Backing	Product characteristic	Product positioning
 Orbital sander	 Wood	 Semi-open		Universal	Standard
				Universal	Standard
				Service life	Standard
				Optimum price-performance ratio	Standard
				Optimised wear characteristics	Standard
	 Varnish/filler	 Close		Tear resistance	Premium
			Cloth	Highly flexible	Premium
				Highly flexible / optimum price-performance ratio	Standard
				Service life	Premium
			Mesh	Service life	Premium
		 Semi-open	Paper	Service life	Standard



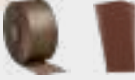




Process step				Product characteristics	Page
Coarse sanding Grit 24 – 80*	Pre-sanding Grit 80 – 180*	Intermediate sanding Grit 180 – 320*	Fine sanding Grit 320 – 800*		
 <b>PS 22 K</b>				<ul style="list-style-type: none"> <li>▶ High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines</li> <li>▶ High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating</li> <li>▶ Excellent stability and tear resistance thanks to E-paper backing</li> <li>▶ Back laminated with velours for quick and easy installation</li> </ul>	62
 <b>PS 22 N</b>				<ul style="list-style-type: none"> <li>▶ Universal product for sanding wood by hand or using handheld machines</li> <li>▶ Extensive range of grit sizes covers applications from coarse sanding to finishing</li> </ul>	63
 <b>PS 33 C(K)</b>  <b>PS 33 B(K)</b>				<ul style="list-style-type: none"> <li>▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain</li> <li>▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating</li> <li>▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B-paper/C-paper backing</li> </ul>	63 – 65
 <b>PS 30 D</b>				<ul style="list-style-type: none"> <li>▶ High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating</li> <li>▶ Flexible, yet stable</li> <li>▶ Product with an excellent price-performance ratio</li> </ul>	66
 <b>PL 31 B</b>				<ul style="list-style-type: none"> <li>▶ Flexible abrasive paper for a wide range of woodworking applications</li> <li>▶ Product with an optimum price-performance ratio</li> <li>▶ Wear characteristics optimised for off-hand sanding and sanding with handheld machines</li> </ul>	67
 <b>PS 22 F ACT</b>				<ul style="list-style-type: none"> <li>▶ Premium product for woodworking with closed coating of aluminium oxide grain, robust F-paper backing and antistatic finish, especially for surface sanding of soft woods</li> <li>▶ Improved recipe, reduced clogging thanks to “Advanced Coating Technology” (ACT)</li> </ul>	68
 <b>KL 361 JF</b>				<ul style="list-style-type: none"> <li>▶ High quality abrasive cloth suitable for universal use</li> <li>▶ Optimum shaping to the contours of the workpiece</li> <li>▶ Can be torn off in a perfectly clean and easy manner</li> </ul>	68
 <b>KL 385 JF</b>				<ul style="list-style-type: none"> <li>▶ Highly flexible universal product with an excellent price-performance ratio for profile sanding</li> <li>▶ Optimum shaping to the contours of the workpiece</li> <li>▶ Can be torn off in a perfectly clean and easy manner</li> </ul>	69
 <b>AN 400</b>				<ul style="list-style-type: none"> <li>▶ The open lattice structure allows for effective and full-surface dust extraction</li> <li>▶ The dust-free sanding increases the service life of the abrasive tremendously</li> <li>▶ Improved health and safety at the workplace thanks to reduced dust formation</li> <li>▶ No dependency on existing suction hole systems</li> </ul>	70
 <b>PS 33 B(K) + PS 33 C(K)</b>				<ul style="list-style-type: none"> <li>▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain</li> <li>▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating</li> <li>▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B- and C-paper backing</li> <li>▶ The self-fastening version comes in numerous sizes and with a multitude of hole patterns for all common machines, most of them available directly from stock</li> </ul>	63 – 65

# Klingspor solutions for the wood trade and furniture industry

Sanding with handheld machines

Machine	Material	Coating	Backing	Product characteristic	Product positioning
 Orbital sander	 Varnish/filler	 Semi-open	Paper	T-ACT service life	Premium
			Film	T-ACT service life + edge stability	Premium
		 Open	Mesh	Service life	Premium
 Handheld belt sander	 Wood	 Close	Cloth	Service life	Standard
 Die grinder  Flexible shaft  Drilling machine	 Universal	 Close	Cloth	Exceptional flexibility	Premium

Process step				Product characteristics	Page
Coarse sanding Grit 24 – 80*	Pre-sanding Grit 80 – 180*	Intermediate sanding Grit 180 – 320*	Fine sanding Grit 320 – 800*		
	 <b>PS 77 CK</b>			<ul style="list-style-type: none"> <li>▶ New high performance product with optimised loading</li> <li>▶ Extended service life thanks to an innovative surface coating that keeps varnish and dust particles from sticking to the abrasive</li> <li>▶ A flexible and tear-resistant latex C-paper is used for aggressive sanding under high loads in the grit size range from 60 to 220</li> </ul>	71
		 <b>FP 77 K</b>		<ul style="list-style-type: none"> <li>▶ New high performance product with optimised loading</li> <li>▶ Extended service life thanks to an innovative surface coating that keeps varnish and dust particles from sticking to the abrasive</li> <li>▶ With a highly flexible and perfectly flat film backing for high quality surface finishing, in grit range 240 to 2000</li> </ul>	71
	 <b>AN 400</b>			<ul style="list-style-type: none"> <li>▶ The open lattice structure allows for effective and full-surface dust extraction</li> <li>▶ The dust-free sanding increases the service life of the abrasive tremendously</li> <li>▶ Improved health and safety at the workplace thanks to reduced dust formation</li> <li>▶ No dependency on existing suction hole systems</li> </ul>	70
 <b>LS 309 XH</b>				<ul style="list-style-type: none"> <li>▶ Universal product for coarse, intermediate and fine sanding on wood, paint and varnish</li> <li>▶ Large stock range of belts for all common machines</li> </ul>	72
		 <b>MM 630</b>		<ul style="list-style-type: none"> <li>▶ An exceptional choice for profiled workpieces thanks to abrasive flaps with longitudinal slashes</li> <li>▶ Exceptional adaptability and ultra soft sanding thanks to 1:1 packaging of slashed abrasive flaps and highly flexible abrasive cloth</li> <li>▶ The abrasive mop wheel MM 630 is compatible with all common handheld machines thanks to its standard Ø 6 mm fixing spindle</li> </ul>	73

\*Please note the grit sizes available for the individual product types.

# Sanding with handheld machines

Abrasive paper, self-fastening

## PS 22 K



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

### Applications

Wood	●
Paint/Varnish/Filler	○



**Advantages:** High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines - High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating - Excellent stability and tear resistance thanks to E-paper backing - Back laminated with velours for quick and easy installation

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	40	○ 0	50	2294
125	60	○ 0	50	2295
125	80	○ 0	50	6774
125	100	○ 0	50	2296
125	120	○ 0	50	6775
125	220	○ 0	50	97176
125	40	⊗ GLS 5	50	89486
125	60	⊗ GLS 5	50	89488
125	80	⊗ GLS 5	50	89489
125	100	⊗ GLS 5	50	89491
125	120	⊗ GLS 5	50	89493
125	150	⊗ GLS 5	50	89494
150	60	○ 0	50	6649
150	80	○ 0	50	6936
150	100	○ 0	50	6697
150	120	○ 0	50	6937
150	150	○ 0	50	71140
150	40	⊗ GLS 1	50	6520
150	60	⊗ GLS 1	50	6523
150	80	⊗ GLS 1	50	6524
150	100	⊗ GLS 1	50	6525
150	120	⊗ GLS 1	50	6526
150	150	⊗ GLS 1	50	80722
150	180	⊗ GLS 1	50	6611
150	320	⊗ GLS 1	50	89450
150	40	⊗ GLS 3	50	89181
150	60	⊗ GLS 3	50	86634
150	80	⊗ GLS 3	50	86635
150	100	⊗ GLS 3	50	97072
150	120	⊗ GLS 3	50	86636
150	150	⊗ GLS 3	50	86637
150	220	⊗ GLS 3	50	100157
150	40	⊗ GLS 51	50	306611
150	60	⊗ GLS 51	50	306612
150	80	⊗ GLS 51	50	305559
150	100	⊗ GLS 51	50	306507
150	120	⊗ GLS 51	50	305560
150	150	⊗ GLS 51	50	306508

Abrasive paper, self-fastening

## PS 33 BK

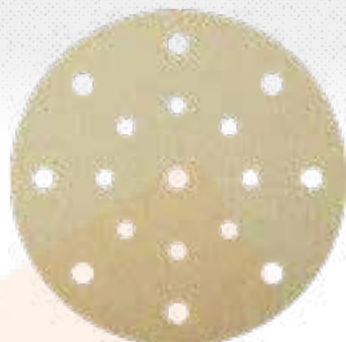


### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B-paper backing - The self-fastening version comes in numerous sizes and with a multitude of hole patterns for all common machines, most of them available directly from stock

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	150	⊙ GLS 5	100	150760
125	180	⊙ GLS 5	100	147837
125	240	⊙ GLS 5	100	147838
150	150	○ 0	100	148375
150	180	○ 0	100	146958
150	220	○ 0	100	149916
150	240	○ 0	100	146959
150	320	○ 0	100	146716
150	400	○ 0	100	147108
150	150	⊙ GLS 1	100	148379
150	180	⊙ GLS 1	100	147095
150	220	⊙ GLS 1	100	149794
150	240	⊙ GLS 1	100	147094
150	320	⊙ GLS 1	100	147096
150	400	⊙ GLS 1	100	147097
150	150	⊙ GLS 3	100	149151
150	180	⊙ GLS 3	100	146948
150	220	⊙ GLS 3	100	149255
150	240	⊙ GLS 3	100	146907
150	320	⊙ GLS 3	100	147126
150	400	⊙ GLS 3	100	147125
150	150	⊙ GLS 51	100	301928
150	180	⊙ GLS 51	100	304084
150	220	⊙ GLS 51	100	301929
150	240	⊙ GLS 51	100	304815
150	320	⊙ GLS 51	100	301930
150	400	⊙ GLS 51	100	310898



## Sanding with handheld machines

Abrasive paper, self-fastening

# PS 33 CK



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated C-paper backing - The self-fastening version comes in numerous sizes and with a multitude of hole patterns for all common machines, most of them available directly from stock

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	60	○ 0	100	147604
125	80	○ 0	100	149055
125	100	○ 0	100	150431
125	120	○ 0	100	150433
125	40	⊗ GLS 5	100	146954
125	60	⊗ GLS 5	100	147642
125	80	⊗ GLS 5	100	147643
125	100	⊗ GLS 5	100	147977
125	120	⊗ GLS 5	100	147170
150	60	○ 0	100	147107
150	80	○ 0	100	146739
150	100	○ 0	100	147106
150	120	○ 0	100	146740
150	40	⊗ GLS 1	100	146978
150	60	⊗ GLS 1	100	146979
150	80	⊗ GLS 1	100	143130
150	100	⊗ GLS 1	100	143131
150	120	⊗ GLS 1	100	147093
150	60	⊗ GLS 3	100	147124
150	80	⊗ GLS 3	100	146946
150	100	⊗ GLS 3	100	143694
150	120	⊗ GLS 3	100	146947
150	40	⊗ GLS 51	100	310531
150	60	⊗ GLS 51	100	301874
150	80	⊗ GLS 51	100	301925
150	100	⊗ GLS 51	100	301926
150	120	⊗ GLS 51	100	301927

Abrasive paper, self-fastening

## PS 21 FK



### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	F-paper

### Applications

Wood	●
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**Advantages:** Premium self-fastening disc for surface sanding using handheld machines - Ultra high level of aggressiveness and outstanding service life thanks to self-sharpening zirconia alumina grain - Exceptional stability and excellent edge strength on the perimeter thanks to strong F-paper backing - Back laminated with velours for quick and easy installation and changing of the disc on standard self-fastening backing pads

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	40	○ 0	50	246857
125	60	○ 0	50	237780
125	80	○ 0	50	237781
125	120	○ 0	50	237782
125	150	○ 0	50	255348
125	240	○ 0	50	237785
150	40	○ 0	50	230312
150	60	○ 0	50	230313
150	80	○ 0	50	230314
150	120	○ 0	50	246488
150	150	○ 0	50	239244
150	240	○ 0	50	251509

Abrasive cloth, self-fastening

## CS 411 XK



### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	X-cotton

### Applications

Wood	●
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**Advantages:** Aggressive abrasive behaviour due to self-sharpening zirconia alumina - Resistant high performance abrasive disc with tear-resistant cotton backing for rough and intermediate sanding on edges and surfaces

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	24	○ 0	50	310461
125	40	○ 0	50	291980
125	60	○ 0	50	182412

## Sanding with handheld machines

### ► Continuation of CS 411 XK, Abrasive cloth, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	80	○ 0	50	238954
125	120	○ 0	50	326051
150	24	○ 0	50	294918
150	40	○ 0	50	301271
150	60	○ 0	50	64647
150	80	○ 0	50	285565
150	120	○ 0	50	285566

Abrasive screen, self-fastening, waterproof

## AN 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester screen

#### Applications

Paint/Varnish/Filler	●
Wood	●
Wood-based materials	●

**Advantages:** Effective and full-surface dust extraction thanks to open grid structure - Dust-free sanding extends the service life of the abrasive - At the same time, improved health and safety thanks to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number
125	80	50	337898
125	100	50	337899
125	120	50	337900
125	150	50	337901
125	180	50	337905
125	240	50	337904
125	320	50	337903
125	400	50	337902
150	80	50	337886
150	100	50	337887
150	120	50	337885
150	150	50	337884
150	180	50	337883
150	240	50	337888
150	320	50	337876
150	400	50	337877

Abrasive paper, self-fastening

## PS 77 CK T-ACT

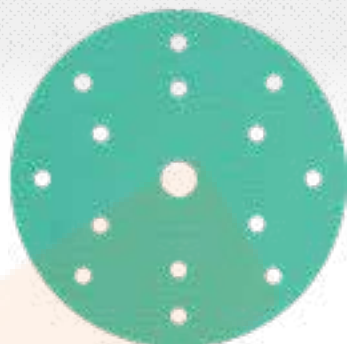


### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Primer	●
Filler	●



**Advantages:** New high performance disc with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive sanding at high loads, a flexible and tear-resistant C-latex paper is used in the grit range 60 - 220

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	60	○ 0	100	353219
125	80	○ 0	100	353224
125	100	○ 0	100	353221
125	120	○ 0	100	353223
125	150	○ 0	100	353225
125	180	○ 0	100	353222
125	220	○ 0	100	353218
125	60	⊗ GLS 27	100	353220
125	80	⊗ GLS 27	100	353235
125	100	⊗ GLS 27	100	353234
125	120	⊗ GLS 27	100	353233
125	150	⊗ GLS 27	100	353232
125	180	⊗ GLS 27	100	353231
125	220	⊗ GLS 27	100	353211
125	60	⊗ GLS 5	100	353217
125	80	⊗ GLS 5	100	353216
125	100	⊗ GLS 5	100	353215
125	120	⊗ GLS 5	100	353214
125	150	⊗ GLS 5	100	353213
125	180	⊗ GLS 5	100	353212
125	220	⊗ GLS 5	100	353209
150	60	○ 0	100	353208
150	80	○ 0	100	353207
150	100	○ 0	100	353210
150	120	○ 0	100	353206
150	150	○ 0	100	353205
150	180	○ 0	100	353204
150	220	○ 0	100	353203
150	60	⊗ GLS 1	100	353202
150	80	⊗ GLS 1	100	353201
150	100	⊗ GLS 1	100	353200
150	120	⊗ GLS 1	100	353199
150	150	⊗ GLS 1	100	353198
150	180	⊗ GLS 1	100	353197



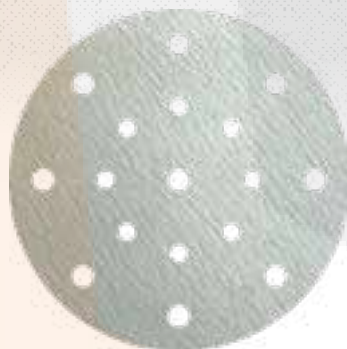
## Sanding with handheld machines

### ► Continuation of PS 77 CK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	220	⊗ GLS 1	100	353196
150	60	⊗ GLS 3	100	353195
150	80	⊗ GLS 3	100	353194
150	100	⊗ GLS 3	100	353193
150	120	⊗ GLS 3	100	353192
150	150	⊗ GLS 3	100	353191
150	180	⊗ GLS 3	100	353190
150	220	⊗ GLS 3	100	353189
150	60	⊗ GLS 47	100	353188
150	80	⊗ GLS 47	100	353187
150	100	⊗ GLS 47	100	353186
150	120	⊗ GLS 47	100	353185
150	150	⊗ GLS 47	100	353182
150	180	⊗ GLS 47	100	353181
150	220	⊗ GLS 47	100	353180
150	80	⊗ GLS 51	100	353184
150	100	⊗ GLS 51	100	353179
150	120	⊗ GLS 51	100	353183
150	180	⊗ GLS 51	100	353178

Abrasive paper, actively coated, self-fastening

### PS 73 BWK



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

#### Applications

Paint/Varnish/Filler	●
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**Advantages:** Improved abrasive performance and uniform scratch pattern thanks to tempered aluminium oxide grain - Outstanding flexibility combined with exceptional edge stability and tear resistance thanks to latex impregnated B-paper backing - The added active agent coating minimises clogging, thus extending service life

#### Available grits:

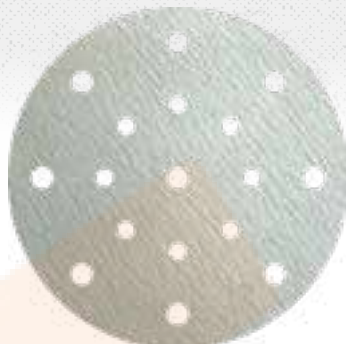
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	240	⊗ GLS 1	100	301213
150	150	⊗ GLS 3	100	301223
150	180	⊗ GLS 3	100	301224
150	240	⊗ GLS 3	100	301226
150	320	⊗ GLS 3	100	301227
150	400	⊗ GLS 3	100	301228



Abrasive paper, actively coated,  
self-fastening

## PS 73 CWK



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
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**Advantages:** Improved abrasive performance and uniform scratch pattern thanks to tempered aluminium oxide grain - Outstanding flexibility combined with exceptional edge stability and tear resistance thanks to latex impregnated C-paper backing - The added active agent coating minimises clogging, thus extending service life

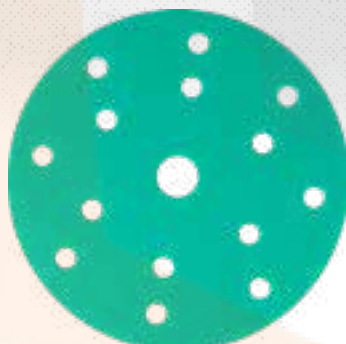
### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	40	⊙ GLS 3	100	301218
150	60	⊙ GLS 3	100	301219
150	80	⊙ GLS 3	100	301220
150	120	⊙ GLS 3	100	301222

Abrasive film, self-fastening

## FP 77 K T-ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

### Applications

Paint/Varnish/Filler	●
Primer	●
Filler	●

**Advantages:** New high performance disc with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	240	○ 0	100	353177
125	320	○ 0	100	353175
125	400	○ 0	100	353174
125	500	○ 0	100	353173
125	600	○ 0	100	353172
125	240	⊙ GLS 27	100	353168
125	320	⊙ GLS 27	100	353166
125	400	⊙ GLS 27	100	353165
125	500	⊙ GLS 27	100	353164
125	600	⊙ GLS 27	100	353163



## Sanding with handheld machines

### ►► Continuation of FP 77 K, Abrasive film, self fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	240	⊙ GLS 5	100	353162
125	280	⊙ GLS 5	100	353161
125	320	⊙ GLS 5	100	353169
125	400	⊙ GLS 5	100	353160
125	500	⊙ GLS 5	100	353159
125	600	⊙ GLS 5	100	353158
150	240	○ 0	100	353157
150	320	○ 0	100	353156
150	400	○ 0	100	353155
150	600	○ 0	100	353153
150	240	⊗ GLS 1	100	353152
150	320	⊗ GLS 1	100	353151
150	400	⊗ GLS 1	100	353150
150	500	⊗ GLS 1	100	353149
150	600	⊗ GLS 1	100	353148
150	800	⊗ GLS 1	100	353147
150	240	⊙ GLS 3	100	353146
150	320	⊙ GLS 3	100	353145
150	400	⊙ GLS 3	100	353144
150	500	⊙ GLS 3	100	353143
150	600	⊙ GLS 3	100	353142
150	240	⊗ GLS 47	100	353141
150	320	⊗ GLS 47	100	353138
150	360	⊗ GLS 47	100	353137
150	400	⊗ GLS 47	100	353136
150	500	⊗ GLS 47	100	353135
150	600	⊗ GLS 47	100	353140
150	800	⊗ GLS 47	100	353134
150	1000	⊗ GLS 47	100	353133
150	1200	⊗ GLS 47	100	353132
150	1500	⊗ GLS 47	100	353131
150	2000	⊗ GLS 47	100	353130
150	240	⊗ GLS 51	100	353129
150	320	⊗ GLS 51	100	353128
150	400	⊗ GLS 51	100	353127

Abrasive film, actively coated,  
self-fastening

## FP 73 WK



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

### Applications

Paint/Varnish/Filler	●
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**Advantages:** Improved abrasive performance and uniform scratch pattern thanks to tempered aluminium oxide grain - Abrasive disc offering great flexibility and exceptional adaptability combined with outstanding edge stability thanks to a tear-resistant film backing - The additional stearate coating minimises clogging, thus extending service life

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	80	⊗ GLS 47	100	320641
150	100	⊗ GLS 47	100	320642
150	120	⊗ GLS 47	100	320643
150	150	⊗ GLS 47	100	320644
150	180	⊗ GLS 47	100	320725
150	240	⊗ GLS 47	100	320726
150	320	⊗ GLS 47	100	320727
150	400	⊗ GLS 47	100	320728
150	600	⊗ GLS 47	100	320729
150	800	⊗ GLS 47	100	320730
150	1000	⊗ GLS 47	100	320731
150	1200	⊗ GLS 47	100	320732
150	1500	⊗ GLS 47	100	320733

## Sanding with handheld machines

Finishing disc with foam material,  
self-fastening

### FD 500



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide/SiC
Backing	Foam material/ velours

#### Applications

Paint/Varnish/Filler	●
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**Advantages:** Exceptionally fine surface finish when used on varnish - Finishing touches prior to high gloss polishing - Outstanding flexibility during work on profiles and contours - Optimum pressure distribution thanks to elastic foam coating, preventing sanding through layers of varnish - Suitable for wet and dry use

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	3000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125	1000	○ 0	10	342291
125	1500	○ 0	10	342290
125	2000	○ 0	10	342289
125	3000	○ 0	10	342288
150	1000	○ 0	10	342294
150	1500	○ 0	10	342293
150	2000	○ 0	10	342295
150	3000	○ 0	10	342292

Multihole backing pad for random orbital  
sanders

### HST 555



**Advantages:** Very good adhesion for all velour-coated discs due to fine, heat resistant self-fastening coating - For all standard hole patterns, also for netlike and diverse multihole patterns - Compatible with all standard orbital sanders

Diameter in mm	Adaptor	Thread/Shaft	Density	Max. RPM	Packing unit/pcs.	Cat. number
150	Festool adaptor	thread M8/ 5/16"	soft	12000 rpm	1	320488
150	Festool adaptor	thread M8/ 5/16"	medium	12000 rpm	1	320489
150	Festool adaptor	thread M8/ 5/16"	hart	12000 rpm	1	320587

Abrasive paper, self-fastening

## PS 22 K



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

### Applications

Wood	●
Paint/Varnish/Filler	ⓘ

**Advantages:** High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines - High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating - Excellent stability and tear resistance thanks to E-paper backing - Back laminated with velours for quick and easy installation

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
96	40	△ GLS 15	50	142134
96	60	△ GLS 15	50	142135
96	80	△ GLS 15	50	142136
96	100	△ GLS 15	50	145055
96	120	△ GLS 15	50	142137
96	150	△ GLS 15	50	146336
96	180	△ GLS 15	50	142138
96	240	△ GLS 15	50	142139

Abrasive paper, self-fastening

## PS 22 K D.I.Y. Packs



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

### Applications

Wood	●
Paint/Varnish/Filler	ⓘ

**Advantages:** High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines - High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating - Excellent stability and tear resistance thanks to E-paper backing - Back laminated with velours for quick and easy installation

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Cat. number
96	40	△ GLS 15	241656
96	60	△ GLS 15	241657
96	80	△ GLS 15	241658
96	120	△ GLS 15	241659
96	180	△ GLS 15	241660

Packing unit (Minimum order quantity) = 5 assortments of 5 triangles



## Sanding with handheld machines

Abrasive paper, ANTISTATIC

### PS 29 F ACT



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

#### Applications

Softwood	●
Paint/Varnish/Filler	○



**Advantages:** Premium product for woodworking with open coating of aluminium oxide grain, robust F-paper backing and antistatic finish, especially for surface sanding of soft woods - Improved recipe, reduced clogging thanks to "Advanced Coating Technology" (ACT)

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	302592
115 x 50000	100	1	307885
115 x 50000	120	1	302591

Abrasive paper, self-fastening

### PS 22 K



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

#### Applications

Wood	●
Paint/Varnish/Filler	○



**Advantages:** High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines - High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating - Excellent stability and tear resistance thanks to E-paper backing - Back laminated with velours for quick and easy installation

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
70 x 125	80	100	140608
70 x 125	100	100	131668
70 x 125	120	100	129801
70 x 125	150	100	135581



Abrasive paper

## PS 22 N



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

### Applications

Wood	●
Paint/Varnish/Filler	○



**Advantages:** Universal product for hand sanding and handheld machine sanding of virtually any material - Large grit range allows use from rough sanding to finishing

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	244613
115 x 50000	100	1	244614
115 x 50000	120	1	244615

Abrasive paper, self-fastening

## PS 33 BK



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
70 x 125	150		100	151784
70 x 125	180		100	148228
70 x 125	220		100	155500
70 x 125	280		100	197133
80 x 133	150	GL 18	100	149107

## Sanding with handheld machines

Abrasive paper, self-fastening

# PS 33 CK



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
70 x 125	100		100	151786
70 x 125	120		100	151785
80 x 133	60	GL 18	100	146975
80 x 133	80	GL 18	100	146976
80 x 133	100	GL 18	100	146977
80 x 133	120	GL 18	100	147169

Abrasive paper

## PS 33 B



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B-paper backing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	150	1	153177
115 x 50000	180	1	149480
115 x 50000	220	1	149698
115 x 50000	240	1	147055
115 x 50000	320	1	148891
115 x 50000	400	1	145520

Abrasive paper

## PS 33 C



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated C-paper backing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	60	1	155815
115 x 50000	80	1	147575
115 x 50000	100	1	147576
115 x 50000	120	1	153398

## Sanding with handheld machines

Abrasive paper

### PS 30 D



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

#### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating - Flexible, yet stable - Product with an excellent price-performance ratio

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 280	60	100	194673
115 x 280	80	100	194674
115 x 280	120	100	194676
115 x 280	180	100	194679
115 x 280	240	100	194680

Abrasive paper

### PS 30 D



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

#### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating - Flexible, yet stable - Product with an excellent price-performance ratio

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	40	1	174086
115 x 50000	60	1	174088
115 x 50000	80	1	174089
115 x 50000	100	1	174090
115 x 50000	120	1	174091
115 x 50000	150	1	174092
115 x 50000	180	1	174093
115 x 50000	240	1	182418

Finishing paper

## PL 31 B



### Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Flexible abrasive paper for a wide range of woodworking applications - Optimised wear properties for hand sanding and handheld machine sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	60	1	3293
115 x 50000	80	1	3294
115 x 50000	100	1	3224
115 x 50000	120	1	3225
115 x 50000	150	1	3226
115 x 50000	240	1	3229

Finishing paper

## PL 31 B



### Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Flexible abrasive paper for a wide range of woodworking applications - Optimised wear properties for hand sanding and handheld machine sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 280	60	100	2414
115 x 280	80	100	2415
115 x 280	100	100	2379
115 x 280	120	100	2380



## Sanding with handheld machines

Abrasive paper

### PS 22 F ACT



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

#### Applications

Wood	●
------	---



**Advantages:** Premium product for woodworking with close coating of aluminium oxide grain, robust F-paper backing and antistatic finish, especially for surface sanding of soft woods - Improved recipe, reduced clogging thanks to "Advanced Coating Technology" (ACT)

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	60	1	2985
115 x 50000	80	1	2986
115 x 50000	100	1	2987
115 x 50000	120	1	2988
115 x 50000	150	1	2989
115 x 50000	180	1	2990

Abrasive cloth, brown

### KL 361 JF



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

#### Applications

Wood	●
------	---



**Advantages:** High quality universal abrasive cloth - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	3948
115 x 50000	120	1	3950
115 x 50000	150	1	3951
115 x 50000	180	1	3952
115 x 50000	240	1	3954
115 x 50000	320	1	3956



Abrasive cloth, brown

## KL 385 JF



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

### Applications

Wood	●
------	---



**Advantages:** Highly flexible universal product with an excellent price-performance ratio for profile sanding - Optimum shaping to the contours of the workpiece - Can be torn off in a perfectly clean and easy manner

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	228363
115 x 50000	100	1	228364
115 x 50000	120	1	228365
115 x 50000	150	1	228370
115 x 50000	180	1	228366
115 x 50000	240	1	228367
115 x 50000	320	1	228368
115 x 50000	400	1	228369

## Sanding with handheld machines

Abrasive screen, self-fastening, waterproof

### AN 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester screen

#### Applications

Paint/Varnish/Filler	●
Wood	●
Wood-based materials	●

**Advantages:** Effective and full-surface dust extraction thanks to open grid structure - Dust-free sanding extends the service life of the abrasive - At the same time, improved health and safety thanks to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
80 x 133	80	50	337892
80 x 133	100	50	337891
80 x 133	120	50	337890
80 x 133	150	50	337894
80 x 133	180	50	337889
80 x 133	240	50	337893
80 x 133	320	50	337895
80 x 133	400	50	337896

Abrasive screen, self-fastening, waterproof

### AN 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester screen

#### Applications

Wood	●
Wood-based materials	●

**Advantages:** Effective and full-surface dust extraction thanks to open grid structure - Dust-free sanding extends the service life of the abrasive - At the same time, improved health and safety thanks to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 10000	80	1	348458
115 x 10000	100	1	353063
115 x 10000	120	1	348418
115 x 10000	150	1	349059
115 x 10000	180	1	353062
115 x 10000	240	1	349058
115 x 10000	320	1	353061
115 x 10000	400	1	353060

Abrasive paper, self-fastening

## PS 77 CK T-ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Primer	●
Filler	●

**Advantages:** New high performance product with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive sanding at high loads, a flexible and tear-resistant C-latex paper is used in the grit range 60 - 220

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
80 x 133	60	GL 18	100	353113
80 x 133	80	GL 18	100	353126
80 x 133	100	GL 18	100	353125
80 x 133	120	GL 18	100	353124
80 x 133	150	GL 18	100	353123
80 x 133	180	GL 18	100	353122
80 x 133	220	GL 18	100	353121

Abrasive film, self-fastening

## FP 77 K T-ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

### Applications

Paint/Varnish/Filler	●
Primer	●
Filler	●

**Advantages:** New high performance product with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
80 x 133	240	GL 18	100	353120
80 x 133	320	GL 18	100	353119
80 x 133	400	GL 18	100	353118

## Sanding with handheld machines

Abrasive cloth

### LS 309 XH



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

#### Applications

Wood	●
Paint/Varnish/Filler	○



**Advantages:** Universal product for coarse, intermediate and fine sanding on wood, paint and varnish - Large product mix of belts for all standard machines

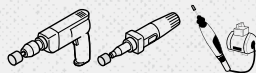
#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
75 x 533	40	F5	10	4137
75 x 533	60	F5	10	4139
75 x 533	80	F5	10	4140
75 x 533	100	F5	10	4141
75 x 533	120	F5	10	4142
75 x 533	150	F5	10	4143
100 x 560	40	F5	10	4151
100 x 560	60	F5	10	4473
100 x 560	80	F5	10	4474
100 x 610	40	F5	10	4478
100 x 610	60	F5	10	4480
100 x 610	80	F5	10	4481
100 x 610	100	F5	10	4482
100 x 610	120	F5	10	4483

Abrasive mop

## MM 630



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** An exceptional choice for profiled workpieces thanks to abrasive flaps with longitudinal slashes - Exceptional adaptability and ultra soft sanding thanks to 1:1 packaging of slashed abrasive flaps and highly flexible abrasive cloth - The abrasive mop wheel MM 630 is compatible with all common handheld machines thanks to its standard Ø 6 mm fixing spindle

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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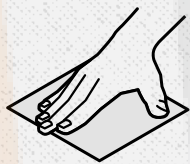
Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
180 x 25 x 6	80	40 m/s	4200 rpm	2	262630
180 x 25 x 6	120	40 m/s	4200 rpm	2	262631
180 x 25 x 6	180	40 m/s	4200 rpm	2	262632
180 x 50 x 6	80	40 m/s	4200 rpm	2	262634
180 x 50 x 6	120	40 m/s	4200 rpm	2	262635
180 x 50 x 6	180	40 m/s	4200 rpm	2	262636

# Hand sanding

Off-hand sanding signifies the guiding of the abrasive tool on the workpiece by hand. Despite the state-of-the-art technology available today, pure hand-off sanding, i.e. non-machine-assisted sanding, is still indispensable for some applications.

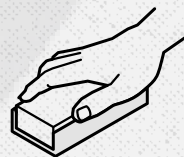
A hand block is a useful aid to both increase the contact pressure and enlarge the processed surface. Other hand-guided tools for fine sanding are sanding sponges, sanding blocks and non-woven webs.

The packing of the abrasives used for off-hand sanding varies with the respective application. Off-hand sanding abrasives are available as rolled products, sheet products and individual sheets. Since flexibility is of greater importance than tear resistance in off-hand sanding applications, the backings of abrasives used for off-hand sanding are predominantly made of paper and cotton.



## Hand sanding

- Abrasive types:  
Rolls, sheets, strips, sponges, pads



## Abrasive block

- Abrasive types:  
Rolls, strips



# Pressure distribution during hand sanding

The abrasive sheet is the perfect abrasive tool for classic off-hand sanding applications. Thanks to their flexible paper or cloth backing, abrasive sheets are exceptionally adaptable, which makes them ideal for sanding contours and curved surfaces.

The user can apply greater tool pressure in specific places of the workpiece to repair imperfections more quickly. The additional use of a hand block is of great benefit when the surfaces that need to be sanded are larger. Aside from enlarging the processing surface, a hand block also allows the user to work with greater tool pressure.

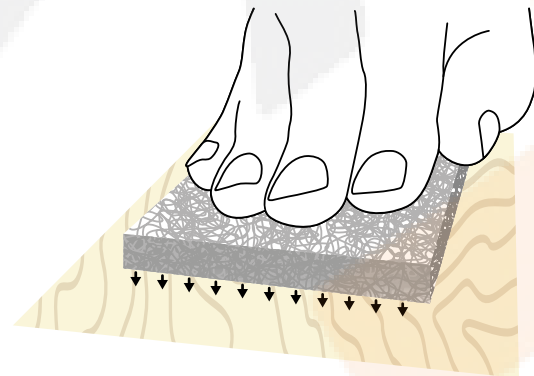
Sensitive surfaces are (fine) sanded with the help of abrasive sponges. Distributing the pressure evenly, the foam coating allows the user to create a uniform and consistent scratch pattern without any grooves. Since it will not form any creases even when folded, the abrasive sponge will produce a uniform scratch pattern without any scratches.

**Hand sanding abrasive sheet**



- Grooves forming due to lack of pressure distribution

**Hand sanding abrasive sponge**











- Foam inserts provide for uniform pressure distribution, resulting in a consistent scratch pattern with low scratch depths

# Product overview

The material to be processed and the special requirements imposed on the product (e.g. aggressive abrasive performance) define the type of coating and the backing that should be selected.

The table below describes the interdependence of machine, material, coating and backing.




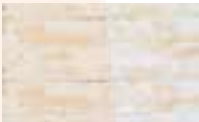










The column "Product characteristic" illustrates how the aforementioned parameters interact.

Material	Application	Coating	Backing	Product characteristic
 Wood	 Hand sanding   Hand block	 Semi-open	Paper	Optimum price-performance ratio
				Optimised wear characteristics
				Universal
				Universal
				Service life
	 Hand sanding	 Close	Cloth	Highly flexible
				Highly flexible / optimum price-performance ratio
				Service life
				Exceptional flexibility
				Four usable sides
	 Hand sanding	 Open	Mesh	Service life
				Angled edge approx. 45°
				Four usable sides
				Exceptional flexibility
				Service life

Product positioning	Product	Product characteristics	Page
Standard	 <b>PS 30 D</b>	<ul style="list-style-type: none"> <li>▶ High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating</li> <li>▶ Flexible, yet stable</li> <li>▶ Product with an excellent price-performance ratio</li> <li>▶ Specially designed for off-hand sanding of wood surfaces</li> </ul>	80
Standard	 <b>PL 31 B</b>	<ul style="list-style-type: none"> <li>▶ Flexible finishing paper for a wide range of woodworking applications</li> <li>▶ Product with an optimum price-performance ratio</li> <li>▶ Wear characteristics optimised for off-hand sanding</li> </ul>	81 – 82
Standard	 <b>PS 22 N</b>	<ul style="list-style-type: none"> <li>▶ Universal product for off-hand sanding on nearly all types of materials</li> <li>▶ Extensive range of grit sizes covers applications from coarse sanding to finishing</li> </ul>	83
Standard	 <b>PS 22 K</b>	<ul style="list-style-type: none"> <li>▶ High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of off-sanding applications</li> <li>▶ High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating</li> <li>▶ Excellent stability and tear resistance thanks to E-paper backing</li> </ul>	82
Premium	 <b>PS 33 B+C</b>	<ul style="list-style-type: none"> <li>▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain</li> <li>▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating</li> <li>▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B- and C-paper backing</li> </ul>	83 – 85
Premium	 <b>KL 361 JF</b>	<ul style="list-style-type: none"> <li>▶ High quality abrasive cloth suitable for universal use</li> <li>▶ Optimum shaping to the contours of the workpiece</li> <li>▶ Can be torn off in a perfectly clean and easy manner</li> </ul>	85
Standard	 <b>KL 385 JF</b>	<ul style="list-style-type: none"> <li>▶ Highly flexible universal product with an excellent price-performance ratio for profile sanding</li> <li>▶ Optimum shaping to the contours of the workpiece</li> <li>▶ Can be torn off in a perfectly clean and easy manner</li> </ul>	86
Premium	 <b>AN 400</b>	<ul style="list-style-type: none"> <li>▶ The open lattice structure allows for effective and full-surface dust extraction</li> <li>▶ The dust-free sanding increases the service life of the abrasive tremendously</li> <li>▶ Improved health and safety at the workplace thanks to reduced dust formation</li> </ul>	86 – 87
Standard	 <b>NPA 400</b>	<ul style="list-style-type: none"> <li>▶ Soft, adaptable non-woven abrasive web for cleaning, roughening and finishing of flat and profiled surfaces of any kind</li> <li>▶ Minimum clogging thanks to open fibre structure</li> </ul>	91
Standard	 <b>SK 500</b>	<ul style="list-style-type: none"> <li>▶ Abrasive block coated on four sides for flat and profiled workpiece surfaces, light deburring, cleaning and finishing</li> <li>▶ The abrasive block is robust, washable and reusable</li> <li>▶ It is suitable for both wet and dry sanding</li> </ul>	92
Standard	 <b>SK 700 A</b>	<ul style="list-style-type: none"> <li>▶ Flat and upright abrasive block with four usable sides</li> <li>▶ The angled edge (approx. 45°) makes it an exceptional choice for narrow, tapering workpiece contours</li> <li>▶ Excellent contouring and pressure distribution thanks to flexible foam core</li> <li>▶ Robust, washable and reusable</li> </ul>	92

# Klingspor solutions for the wood trade and furniture industry

Hand sanding

Material	Application	Coating	Backing	Product characteristic
 Wood	 Hand sanding	 Close	Sponge	Resistant to creasing and breaking
				Extremely tear-resistant
				Highly flexible
 Paint/varnish/filler	 Hand sanding	 Semi-open	Paper	Optimum price-performance ratio
	 Hand block			Optimised wear characteristics
		 Open	Mesh	Service life
				Service life
		 Semi-open	Paper	Outstanding flexibility
				Extraordinary stability
	 Hand sanding	 Close	Paper	Exceptional flexibility
				Exceptional flexibility
		 Open	Non-woven web	Exceptional flexibility
 Universal	 Hand block	-	-	Accessories

Product positioning	Product	Product characteristics	Page
Standard	 <b>SW 501</b>	<ul style="list-style-type: none"> <li>▶ Highly flexible abrasive tool for off-hand sanding</li> <li>▶ Abrasive sponge coated on two sides with a soft foam core</li> <li>▶ Resistant to creasing and breaking, washable and reusable</li> <li>▶ Suitable for wet and dry sanding</li> </ul>	93
Premium	 <b>SW 501 TR</b>	<ul style="list-style-type: none"> <li>▶ Extremely tear-resistant abrasive sponge for lightly and heavily profiled workpiece surfaces (usable on two sides), creating a satin surface scratch pattern</li> <li>▶ Washable, reusable and resistant to creasing and breaking</li> <li>▶ Solvent-free bonding system with a colour scheme that varies with the grit size</li> </ul>	93
Premium	 <b>SW 510</b>	<ul style="list-style-type: none"> <li>▶ Thin, ultra flexible sanding sponge for particularly hard-to-reach areas such as indentations, profiles and edges - tight foam structure, allowing for exceptionally uniform pressure distribution and an extra fine finish</li> <li>▶ No bending, no creases</li> <li>▶ Suitable for wet and dry use</li> </ul>	94
Standard	 <b>PS 30 D</b>	<ul style="list-style-type: none"> <li>▶ High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating</li> <li>▶ Flexible, yet stable</li> <li>▶ Product with an excellent price-performance ratio</li> <li>▶ Specially designed for off-hand sanding of wood surfaces</li> </ul>	80
Standard	 <b>PL 31 B</b>	<ul style="list-style-type: none"> <li>▶ Flexible finishing paper for a wide range of woodworking applications</li> <li>▶ Product with an optimum price-performance ratio</li> <li>▶ Wear characteristics optimised for off-hand sanding</li> </ul>	81-82
Premium	 <b>PS 33 B+C</b>	<ul style="list-style-type: none"> <li>▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain</li> <li>▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating</li> <li>▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B- and C-paper backing</li> </ul>	83 – 85
Premium	 <b>AN 400</b>	<ul style="list-style-type: none"> <li>▶ The open lattice structure allows for effective and full-surface dust extraction</li> <li>▶ The dust-free sanding increases the service life of the abrasive tremendously</li> <li>▶ Improved health and safety at the workplace thanks to reduced dust formation</li> </ul>	86 – 87
Premium	 <b>PS 73 BWF/CWF</b>	<ul style="list-style-type: none"> <li>▶ Improved pressure distribution thanks to elastic foam coating</li> <li>▶ No sanding through thin coatings and creation of an ultra-fine finish</li> <li>▶ Superior flexibility and adaptability on contours and profiles</li> <li>▶ Minimal clogging thanks to additional sanding active fillers and semi-open coating of the grain</li> <li>▶ Effortless handling thanks to handy abrasive pads that can be torn off from a pre-perforated roll in a dispenser box</li> </ul>	90 – 91
Premium	 <b>PS 11 A/C</b>	<ul style="list-style-type: none"> <li>▶ High quality and ultra flexible abrasive paper for work on paint, varnish and filler</li> <li>▶ Outstanding flexibility at great stability, can be used for wet and dry sanding</li> <li>▶ A-paper (grit 220-2000), C-paper (grit 60-400,600,1000)</li> </ul>	88
Standard	 <b>PS 8 A/C</b>	<ul style="list-style-type: none"> <li>▶ Special product for hard and tough workpiece surfaces</li> <li>▶ Outstanding flexibility at great stability</li> <li>▶ Can be used for wet and dry sanding</li> <li>▶ A-paper (grit 180-2500), C-paper (grit 60-150,220)</li> </ul>	89
Standard	 <b>NPA 400</b>	<ul style="list-style-type: none"> <li>▶ Soft, adaptable non-woven abrasive web for cleaning, roughening and finishing of flat and profiled surfaces of any kind</li> <li>▶ Minimum clogging thanks to open fibre structure</li> </ul>	91
-	 <b>HK 100</b>	<ul style="list-style-type: none"> <li>▶ Ideal for flat and slightly curved surfaces</li> <li>▶ Off-hand sanding without fatigue thanks to ergonomic shape</li> <li>▶ For strips measuring 70 x 125 mm</li> <li>▶ Self-fastening</li> </ul>	90

# Hand sanding

Abrasive paper

## PS 30 D



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating - Flexible, yet stable - Product with an excellent price-performance ratio - Specially designed for off-hand sanding of wood surfaces

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	40	50	194660
230 x 280	60	50	194662
230 x 280	80	50	194663
230 x 280	100	50	194664
230 x 280	120	50	194665
230 x 280	150	50	194666
230 x 280	180	50	194667
230 x 280	240	50	194668
230 x 280	320	50	194669

Abrasive paper

## PS 30 D



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** High aggressiveness and reduced clogging thanks to white fused alumina applied with a semi-open coating - Flexible, yet stable - Product with an excellent price-performance ratio - Specially designed for off-hand sanding of wood surfaces

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	40	1	174086
115 x 50000	60	1	174088
115 x 50000	80	1	174089
115 x 50000	100	1	174090





## ►► Continuation of PS 30 D, Abrasive paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	120	1	174091
115 x 50000	150	1	174092
115 x 50000	180	1	174093
115 x 50000	240	1	182418

Finishing paper

### PL 31 B



#### Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

#### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Flexible finishing paper for a wide range of woodworking applications - Optimised wear properties for off-hand sanding

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	40	50	2059
230 x 280	60	50	2061
230 x 280	80	50	2062
230 x 280	100	50	2048
230 x 280	120	50	2049
230 x 280	150	50	2050
230 x 280	180	50	2051
230 x 280	220	50	2052
230 x 280	240	50	2053
230 x 280	320	50	2055

# Hand sanding

Finishing paper

## PL 31 B



### Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Flexible finishing paper for a wide range of woodworking applications - Optimised wear properties for off-hand sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	60	1	3293
115 x 50000	80	1	3294
115 x 50000	100	1	3224
115 x 50000	120	1	3225
115 x 50000	150	1	3226
115 x 50000	240	1	3229

Abrasive paper, self-fastening

## PS 22 K



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

### Applications

Wood	●
Paint/Varnish/Filler	○

**Advantages:** High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of off-hand sanding applications - High aggressiveness and reduced clogging during work on wood thanks to semi-open grain coating - Excellent stability and tear resistance thanks to E-paper backing

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
70 x 125	80	100	140608
70 x 125	100	100	131668
70 x 125	120	100	129801
70 x 125	150	100	135581

Abrasive paper

## PS 22 N



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

### Applications

Wood	●
Paint/Varnish/Filler	○

**Advantages:** Universal product for hand sanding and handheld machine sanding of virtually any material - Large grit range allows use from rough sanding to finishing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	244613
115 x 50000	100	1	244614
115 x 50000	120	1	244615

Abrasive paper

## PS 33 B



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B-paper backing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	150	50	149528
230 x 280	180	50	147853
230 x 280	220	50	149529
230 x 280	240	50	147854
230 x 280	280	50	149793
230 x 280	320	50	149530
230 x 280	400	50	148971
230 x 280	600	50	170668

# Hand sanding

Abrasive paper

## PS 33 C



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated C-paper backing

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	40	50	147849
230 x 280	60	50	147850
230 x 280	80	50	147851
230 x 280	100	50	149719
230 x 280	120	50	147852

Abrasive paper

## PS 33 B



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated B-paper backing - Available for hand block HK 100

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	150	1	153177
115 x 50000	180	1	149480
115 x 50000	220	1	149698
115 x 50000	240	1	147055
115 x 50000	320	1	148891
115 x 50000	400	1	145520

Abrasive paper

## PS 33 C



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated C-paper backing - Available for hand block HK 100

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	60	1	155815
115 x 50000	80	1	147575
115 x 50000	100	1	147576
115 x 50000	120	1	153398

Abrasive cloth, brown

## KL 361 JF



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

### Applications

Wood	●
------	---

**Advantages:** High quality universal abrasive cloth - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	3948
115 x 50000	120	1	3950
115 x 50000	150	1	3951
115 x 50000	180	1	3952
115 x 50000	240	1	3954
115 x 50000	320	1	3956



## Hand sanding

Abrasive cloth, brown

### KL 385 JF



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

#### Applications

Wood	●
------	---

**Advantages:** Highly flexible universal product with an excellent price-performance ratio for profile sanding - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	80	1	228363
115 x 50000	100	1	228364
115 x 50000	120	1	228365
115 x 50000	150	1	228370
115 x 50000	180	1	228366
115 x 50000	240	1	228367
115 x 50000	320	1	228368
115 x 50000	400	1	228369

Abrasive screen, self-fastening, waterproof

### AN 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester screen

#### Applications

Paint/Varnish/Filler	●
Wood	●
Wood-based materials	●

**Advantages:** Effective and full-surface dust extraction thanks to open grid structure - Dust-free sanding extends the service life of the abrasive - At the same time, improved health and safety thanks to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
80 x 133	80	50	337892
80 x 133	100	50	337891
80 x 133	120	50	337890
80 x 133	150	50	337894





## ► Continuation of AN 400, Abrasive screen, self-fastening, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
80 x 133	180	50	337889
80 x 133	240	50	337893
80 x 133	320	50	337895
80 x 133	400	50	337896

Abrasive screen, self-fastening, waterproof

## AN 400



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester screen

### Applications

Paint/Varnish/Filler	●
Wood	●
Wood-based materials	●



**Advantages:** Effective and full-surface dust extraction thanks to open grid structure - Dust-free sanding extends the service life of the abrasive - At the same time, improved health and safety thanks to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 10000	80	1	348458
115 x 10000	100	1	353063
115 x 10000	120	1	348418
115 x 10000	150	1	349059
115 x 10000	180	1	353062
115 x 10000	240	1	349058
115 x 10000	320	1	353061
115 x 10000	400	1	353060

# Hand sanding

Abrasive paper, waterproof

## PS 11 A



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

### Applications

Paint/Varnish/Filler	●
----------------------	---

**Advantages:** High quality and ultra flexible abrasive paper for work on paint, varnish and filler - Good adaptation and high stability - Wet and dry sanding

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	220	50	2002
230 x 280	240	50	2003
230 x 280	320	50	2005
230 x 280	400	50	2007
230 x 280	500	50	2008
230 x 280	600	50	2009
230 x 280	800	50	2010
230 x 280	1000	50	11892
230 x 280	1200	50	6616
230 x 280	1500	50	186794
230 x 280	2000	50	186795

Abrasive paper, waterproof

## PS 11 C



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
----------------------	---

**Advantages:** High quality and ultra flexible abrasive paper for work on paint, varnish and filler - Good adaptation and high stability - Wet and dry sanding

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	80	50	2023
230 x 280	100	50	2117
230 x 280	120	50	2116
230 x 280	180	50	2012

Abrasive paper, waterproof

## PS 8 A



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

### Applications

Paint/Varnish/Filler	●
----------------------	---

**Advantages:** Ideal for hard and tough surfaces - Very flexible latex paper allows excellent adaptation - Can be used wet and dry

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	220	50	269275
230 x 280	400	50	269299
230 x 280	600	50	269314
230 x 280	800	50	269323
230 x 280	1000	50	269328

Abrasive paper, waterproof

## PS 8 C



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

### Applications

Paint/Varnish/Filler	●
----------------------	---

**Advantages:** Ideal for hard and tough surfaces - Very flexible latex paper allows excellent adaptation - Can be used wet and dry

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	80	50	269429
230 x 280	150	50	269448

## Hand sanding

Hand block

### HK 100



**Advantages:** Excellent for flat and slightly convex surfaces - Fatigue-proof hand sanding due to ergonomic form - For strips in 70 x 125 mm - Self-fastening

Width x Length x Height in mm	Packing unit/pcs.	Cat. number
68 x 118 x 40	1	185320

Abrasive paper with foam backing

### PS 73 BWF



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper + foam core

#### Applications

Wood	●
Paint/Varnish/Filler	●

**Advantages:** Very good distribution of sanding pressure due to elastic and conforming foam backing, therefore preventing over sanding of thin coatings and providing a very fine finish - High flexibility and very good adaptability to contours and profiles - Reduced clogging due to additional stearate coating and semi-open coated grain - Easy handling by tearing handy pads from a pre-perforated roll out of a dispenser box - Dimensions of abrasive pads: 115 x 140 mm, approx. 180 pcs

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Width x Length in mm									Grit				Packing unit/pcs.				Cat. number							
115 x 25000									180				1				321756							
115 x 25000									240				1				321757							
115 x 25000									320				1				321758							
115 x 25000									400				1				321760							
115 x 25000									600				1				325022							

Abrasive paper with foam backing

## PS 73 CWF



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper + foam core

### Applications

Wood	●
Paint/Varnish/Filler	●

**Advantages:** Very good distribution of sanding pressure due to elastic and conforming foam backing, therefore preventing over sanding of thin coatings and providing a very fine finish - High flexibility and very good adaptability to contours and profiles - Reduced clogging due to additional stearate coating and semi-open coated grain - Easy handling by tearing handy pads from a pre-perforated roll out of a dispenser box - Dimensions of abrasive pads: 115 x 140 mm, approx. 180 pcs

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000						
Width x Length in mm									Grit									Packing unit/pcs.									Cat. number			
115 x 25000									120									1									321755			

Non-woven web hand pad

## NPA 400



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications

Wood	●
Paint/Varnish	●

**Advantages:** Soft, adaptable non-woven web for cleaning - Roughening and finishing of flat and profiled surfaces of any kind - Minimum clogging thanks to open fibre structure

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number
152 x 229	brown	coarse	20	342852
152 x 229	maroon	medium	20	342855
152 x 229	maroon	fine	20	342856
152 x 229	maroon	very fine	20	342849
152 x 229	green	very fine heavy duty	20	342853
152 x 229	dark green	very fine general purpose	20	342854



# Hand sanding

Abrasive block, flexible, coated on 4 sides

## SK 500



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Abrasive block coated on four sides for flat and profiled workpiece surfaces, light deburring, cleaning and finishing - The abrasive block is robust, washable and reusable - It is suitable for both wet and dry sanding

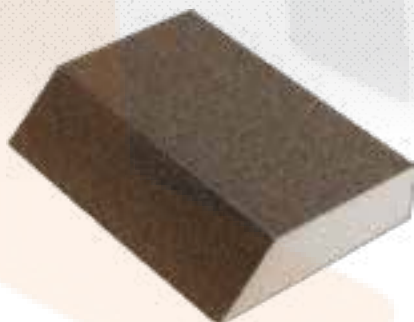
### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number
100 x 70 x 25	60	hard	brown	gray	100	125279
100 x 70 x 25	80	hard	brown	gray	100	225165
100 x 70 x 25	100	hard	brown	gray	100	125280
100 x 70 x 25	120	hard	brown	gray	100	225166
100 x 70 x 25	180	hard	brown	gray	100	225167
100 x 70 x 25	220	hard	brown	gray	100	225168

Abrasive block, flexible, coated on 4 sides

## SK 700 A



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Suitable for flat or upright use on all four sides - The angled edge (approx. 45°) makes it an exceptional choice for narrow, tapering workpiece contours - Excellent contouring and pressure distribution thanks to flexible foam core - Robust, washable and reusable

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number
125 x 89 x 25	60	hard	brown	gray	100	337846
125 x 89 x 25	80	hard	brown	gray	100	337847
125 x 89 x 25	100	hard	brown	gray	100	337848
125 x 89 x 25	120	hard	brown	gray	100	331019



Abrasive sponge, flexible, coated on 2 sides

## SW 501



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Highly flexible abrasive tool for off-hand sanding - Abrasive sponge coated on two sides with a soft foam core - Resistant to creasing and breaking, washable and reusable - Suitable for wet and dry sanding

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number
123 x 96 x 12,5	120	soft	brown	yellow	100	125281
123 x 96 x 12,5	220	soft	brown	yellow	100	125282

Abrasive sponge, flexible, coated on 2 sides

## SW 501 TR



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Satin surface scratch pattern - For low and high profiled surfaces (two usable sides) - Crease and break-resistant - Washable and reusable - Extremely tear-resistant - Solvent free bonding with grit size dependent colouring

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number
123 x 96 x 12,5	100	soft	light brown	yellow	100	351573
123 x 96 x 12,5	120	soft	green	yellow	100	353264
123 x 96 x 12,5	150	soft	red	yellow	100	353263
123 x 96 x 12,5	180	soft	blue	yellow	100	351574
123 x 96 x 12,5	220	soft	brown	yellow	100	353262

# Hand sanding

Abrasive sponge, flexible, coated on 1 side

## SW 510



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications

Paint/Varnish/Filler	●
Wood	●



**Advantages:** Thin, ultra flexible sanding sponge for particularly hard-to-reach areas such as indentations, profiles and edges - Tight foam structure, allowing for exceptionally uniform pressure distribution and an extra fine finish - No bending, no creases - Can be used wet and dry

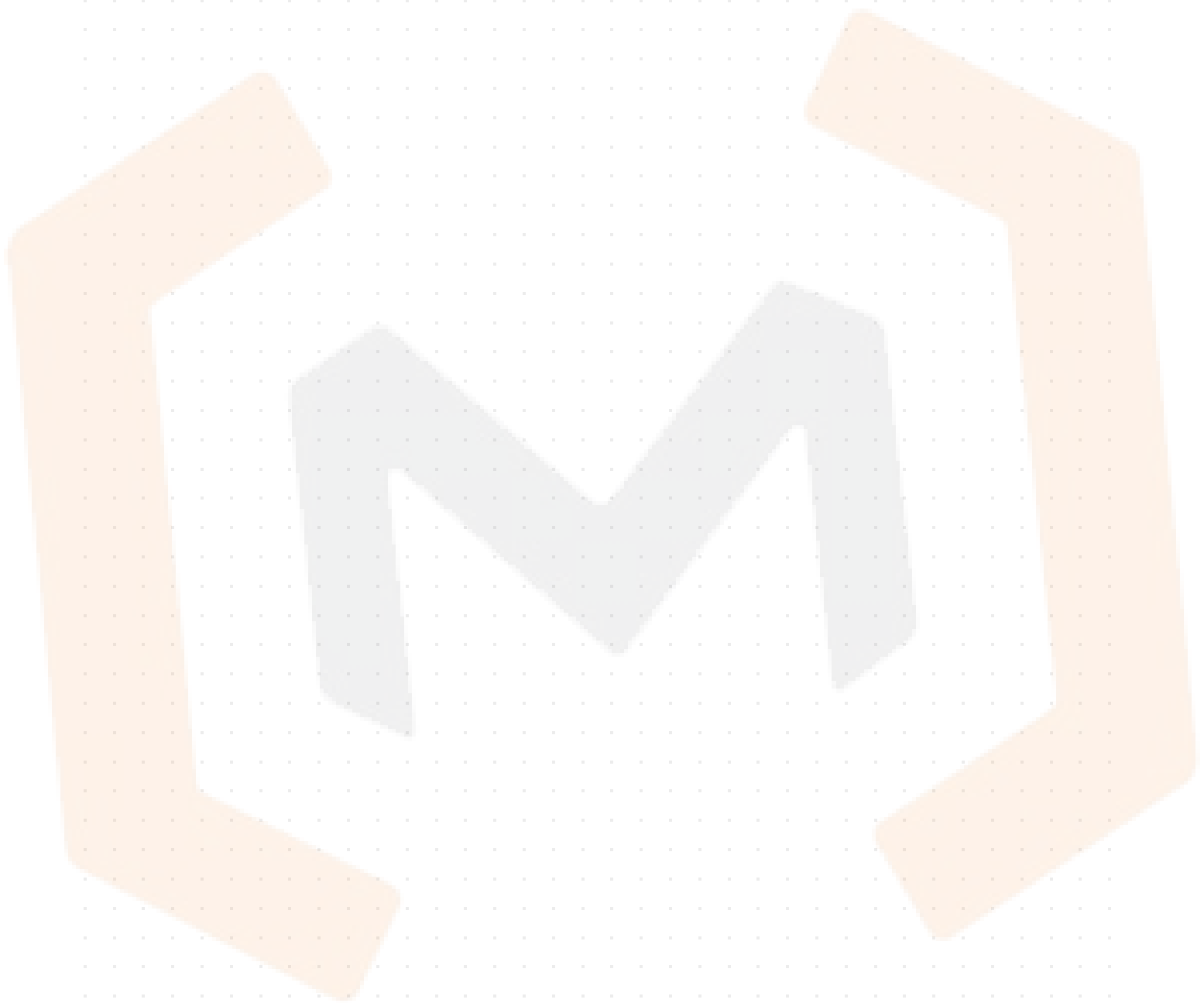
### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number
115 x 140 x 5	180	hard	white	gray	100	303589
115 x 140 x 5	220	hard	white	gray	100	303590

## Notes

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