

# Technical data sheet

1749 siaral f



Status:	Ok
Approval:	06.01.2022

Classification	Public series
Product type:	Coated abrasives
Main industries:	Furniture Production Building Interior
Further industries:	Kitchens Panels Stone Glass Parquet Windows and Doors Marine

Product profile	
Grit type:	Silicon carbide
Grit range (total):	36-400 FEPA P / ISO 6344
Backing:	f-wt paper (FSC-certified)
Coating:	Closed
Bonding:	Resin over resin
Special coating:	
Equipment:	TopTec

Properties	Technology
Removal rate:	7 - high
Lifetime:	8 - long
Finishing:	8 - good
Flexibility:	6 - Medium
Contact pressure:	






Advantages	
Building Interior:	<ul style="list-style-type: none"><li>- Ideal for rotary sanding</li><li>- Strong paper backing for portable machine sanding</li><li>- Fast and safe change of abrasive with siafast hook and loop fastening system</li></ul>
Furniture Production:	<ul style="list-style-type: none"><li>- Long life when sanding MDF boards and HDF boards and chipboard</li><li>- Perfect surfaces thanks to TopTec</li><li>- Dust-free process: Antistatic construction minimises dust build-up on belt, workpiece and machinery</li><li>- Best surface quality</li><li>- Very good finish on solid wood and veneer</li></ul>













## Applications

Building Interior:	<ul style="list-style-type: none"> <li>- Keying of insulating boards</li> <li>- Sanding off old paint and varnish</li> <li>- Sanding of plaster, stone and concrete</li> <li>- Fine sanding of surfaces</li> <li>- Sanding of plaster, stone and concrete</li> <li>- Keying surfaces for better paint adhesion</li> </ul>
Furniture Production:	<ul style="list-style-type: none"> <li>- Keying of edges and surfaces on MDF board, HDF board and chipboard</li> <li>- Calibrating</li> <li>- Final sanding as preparation for painting</li> <li>- Final sanding on transom and high-quality veneers</li> <li>- Intermediate sanding of varnishes</li> </ul>

## Material

Building Interior:	<ul style="list-style-type: none"> <li>Concrete</li> <li>Dry wall lining boards</li> <li>Lacquers</li> <li>Lacquers</li> <li>Lacquers</li> <li>Mineral materials</li> <li>Old lacquer</li> <li>Old paint</li> <li>Plaster</li> <li>Primer filler</li> <li>Wood</li> <li>Wood</li> <li>Wood</li> <li>Wood-based materials</li> </ul>	<ul style="list-style-type: none"> <li>○ Plastics</li> <li>○ Stone</li> <li>○ Plastics</li> <li>○ Concrete</li> <li>● Dry wall lining boards</li> <li>○ PU lacquer</li> <li>○ Polyester lacquer</li> <li>○ UV lacquer</li> <li>● Mineral fibreboard</li> <li>● Old lacquer</li> <li>● Old paint</li> <li>● Plaster</li> <li>○ Primer filler</li> <li>● Soft wood</li> <li>● Hard wood</li> <li>○ Hard wood</li> <li>● MDF board</li> </ul>
Furniture Production:	<ul style="list-style-type: none"> <li>Coatings</li> <li>Coatings</li> <li>Coatings</li> <li>Coatings</li> <li>Coatings</li> <li>Minerals</li> <li>Plastics</li> <li>Solid wood</li> <li>Solid wood</li> <li>Wood-based materials</li> <li>Wood-based materials</li> <li>Wood-based materials</li> </ul>	<ul style="list-style-type: none"> <li>● Bodyfiller</li> <li>● Primer filler</li> <li>● PU lacquer</li> <li>● Polyester lacquer</li> <li>● UV lacquer</li> <li>○ Stone</li> <li>○ Plastics</li> <li>● Soft wood</li> <li>○ Hard wood</li> <li>● Chipboard</li> <li>● MDF board</li> <li>○ Mineral fibreboard</li> </ul>

Conversion forms	Upper conversion	Lower conversion
	Rolls	<ul style="list-style-type: none"> <li>- Jumbolino</li> <li>- Jumbo rolls</li> <li>- Paper rolls</li> </ul>
	Strips	<ul style="list-style-type: none"> <li>- siafast strips</li> <li>- Various strips</li> </ul>
	Delta and polygons	<ul style="list-style-type: none"> <li>- Delta and polygons</li> </ul>
	Discs	<ul style="list-style-type: none"> <li>- Double-sided discs</li> <li>- siafast discs</li> <li>- Self-adhesive discs</li> <li>- Various discs</li> </ul>
	Belts	<ul style="list-style-type: none"> <li>- Wide belts (width: from 400 mm)</li> <li>- Hand sanding belts and sleeves (width: 30–390 mm/length: up to 950 mm)</li> <li>- Narrow, edge and long belts (width: 25–399 mm/length: up to 10,700 mm)</li> </ul>

Application	Superordinate group	Subgroup
	Portable machine sanding	random orbital sander
	Portable machine sanding	Angle grinder
	Portable machine sanding	Orbital sanders
	Portable machine sanding	Delta sander
	Manual sanding	Hand sanding with sanding block
	Stationary belt sanding	Edge belt sanding
	Stationary belt sanding	Pad wide belt sanding
	Stationary belt sanding	Cross belt sanding
	Stationary belt sanding	Contact wide belt sanding
	Stationary belt sanding	Combined wide belt sanding
	Stationary belt sanding	Long belt sanding
	Stationary machine sanding	Stationary disc sanding
Cut:		

# Technical data sheet

1749 siaral f



Details	
No suitability for:	<ul style="list-style-type: none"> <li>- In coarse grit range on coniferous wood</li> <li>- Calibrating and flatting of wood with a high oil and resin content</li> <li>- Wet sanding</li> <li>- Greasy materials</li> </ul>
Sanding recommendation:	- P80 - P400: use belts wider than 1800 mm only after preliminary tests
Safety recommendation:	<p>Observe the current valid safety recommendations at: <a href="http://www.sia-abrasives.com">www.sia-abrasives.com</a> &gt; Expertise &gt; Safety</p> <ul style="list-style-type: none"> <li>- Pay attention to the abrasives safety data sheet (available from sia Abrasives)</li> <li>- Follow the general FEPA safety recommendations</li> <li>- Use eye and face protection</li> <li>- Use an effective dust extraction unit or wear a fine dust mask</li> </ul>

Communication			
Claim:	The number 1 for sanding of MDF, HDF and chipboard		
Copy:	A specialist abrasive for keying MDF, HDF and chipboard, 1749 siaral f not only has a long lifetime, it also produces a high-quality surface finish.		
Image material:	Product Top View (PTV)	Front side:	ID
		Rear side:	ID
	Application image	Building Interior:	ID 4532
		Furniture	ID 5616
		Production:	
	Product show:		
	Macro shot:		
Packaging image:			
Product group image:		ID 7593	
		ID 1637	

- Main application
- Secondary application