

Technical data sheet

1749 siaral f



MKP person responsible:	Roman Schürpf
Status:	Ok
Approval:	29.01.2016

Classification	Public series
Product type:	Coated abrasives
Main application area:	Wood
Secondary application area:	Metal

Product profile	
Grit type:	Silicon carbide
Grit range (total):	36-320; 400 FEPA P / ISO 6344
Backing:	f-wt paper
Coating:	Closed
bonding:	Resin over resin
Special coating:	
Equipment:	TopTec





Properties		Technology
Cut:	7 - high	<ul style="list-style-type: none"> - siafast - TopTec
Lifetime:	8 - long	
Finishing:	8 - good	
Flexibility:	6 - medium	
Contact pressure:		


Advantages	
Coatings & composites:	<ul style="list-style-type: none"> - Dust-free process: antistatic construction gives low dust formation on belt, workpiece and machinery
Wood:	<ul style="list-style-type: none"> - Long life when sanding MDF boards and HDF boards and chipboard - Perfect surface finishes thanks to TopTec - Dust-free process: antistatic construction gives low dust formation on belt, workpiece and machinery - Best surface quality - Very good finish on solid wood and veneer
Metal:	<ul style="list-style-type: none"> - siafast hook and loop fastening system produces a softer cut than with fibre discs - Perfect surface finish - Beautiful finish
Panels:	












Applications	
Coatings & composites:	<ul style="list-style-type: none"> - Coarse sanding of composites, synthetic resins and GRP surfaces - Intermediate sanding of composites, synthetic resins and GRP surfaces - Fine sanding of composites, synthetic resins and GRP surfaces - Fine sanding of surfaces

Applications	
Wood:	<ul style="list-style-type: none"> - Keying of edges and surfaces on MDF board, HDF board and chipboard - Calibrating - Final sanding as preparation for painting - Intermediate sanding of composites, synthetic resins and GRP surfaces - Final sanding on transom and high-quality veneers - Intermediate sanding of lacquers
Metal:	<ul style="list-style-type: none"> - Fine sanding of stone - Fine sanding of slate and marble pieces - Fine sanding of coils and sheets - Fine sanding of surfaces
Panels:	

Material	Superordinate group	Subgroup
Coatings & composites:	Composites Composites	<ul style="list-style-type: none"> <input type="radio"/> Glass-fibre reinforced plastic (GRP) <input type="radio"/> Composite
Wood:	Coatings Coatings Coatings Coatings Coatings Minerals Plastics Solid wood Solid wood Wood-based materials Wood-based materials Wood-based materials	<ul style="list-style-type: none"> <input type="radio"/> Bodyfiller <input type="radio"/> Primer filler <input type="radio"/> PU lacquer <input type="radio"/> Polyester lacquer <input type="radio"/> UV lacquer <input type="radio"/> Stone <input type="radio"/> Plastics <input checked="" type="radio"/> Softwood <input type="radio"/> Hardwood <input checked="" type="radio"/> Chipboard <input checked="" type="radio"/> MDF board <input type="radio"/> Mineral fibreboard
Metal:	High alloy steels Other metals with hard to grind surfaces	<ul style="list-style-type: none"> <input checked="" type="radio"/> High-alloy steel <input type="radio"/> Titanium
Panels:		

Conversion forms	Upper conversion	Lower conversion
	Rolls	<ul style="list-style-type: none"> - jumbolino - Jumbo rolls
	Strips	<ul style="list-style-type: none"> - siafast strips - Various strips
	Delta and polygons	<ul style="list-style-type: none"> - Delta and polygons
	Discs	<ul style="list-style-type: none"> - double-sided discs - siafast discs - Self-adhesive discs - Various discs

Conversion forms	Upper conversion	Lower conversion
	Belts	<ul style="list-style-type: none"> - Wide belts (width: from 400 mm) - Hand sanding belts and sleeves (width: 30-390 mm/length: up to 950 mm) - Narrow, edge and long belts (width: 25-399 mm/length: up to 8500 mm)

Use	Superordinate group	Subgroup
	Portable machine sanding	○ random orbital sander
	Portable machine sanding	○ Angle grinder
	Portable machine sanding	○ Orbital sander
	Portable machine sanding	○ Delta sander
	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	○ Stroke belt sanding
	Stationary machine sanding	○ Stationary disc sanding
Cut:		

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

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Communication		
Claim:	the number 1 for belt sanding of MDF, HDF and chipboard	
Copy:	A specialist abrasive for keying MDF, HDF and chipboard, 1749 siaral offers long life and delivers a high-quality surface finish. Also unrivalled: intermediate sanding of lacquers and final sanding on transomand high-quality veneers.	
Industrial Verticals:	<ul style="list-style-type: none"> - Furniture - Kitchens - Panels - Stone - Glass - Interior Work - Leather - Parquet - Stone - Windows and Doors - Aerospace - Marine 	
Image material:	Product Top View (PTV)	Front side: ID 4959
		Reverse side: ID 4967
	Application image	Coatings & composites: ID 5616
		Wood:
		Metal:
		Panels:
	Product show:	
	Macro shot:	
	Packaging image:	
	Product group image:	ID 7593
		ID 1637

- Main application
- Secondary application