

Technical data sheet

7940 siaair



MKP person responsible:	Colin Giger
Status:	Ok
Approval:	15.03.2017

Classification	Public series
Product type:	Coated abrasives
Main application area:	Coatings and Composites
Secondary application area:	Wood; Metal

Product profile	
Grit type:	Aluminium oxide
Grit range (total):	240; 360; 500-1000; 1500-2000; 3000-4000
Backing:	Knitted fabric with foam backing
Coating:	Special process
bonding:	Resin over resin
Special coating:	
Equipment:	

Properties		Technology
Cut:	8 - high	- siafast
Lifetime:	8 - long	
Finishing:	8 - good	
Flexibility:	10 - highly flexible	
Contact pressure:		

Advantages	
Coatings & composites:	<ul style="list-style-type: none"> - High stock removal rates and excellent finish - Low clogging in damp and dry sanding applications - Highly adaptable to contours, curves and profiles - Pressure-equalising foam gives perfect surface finish - Waterproof and washable - Resistant to silicon remover
Wood:	<ul style="list-style-type: none"> - Waterproof and washable - Extremely long lifetime - Low scratch depth - Low clogging - Can be used many times - Absorbs water - Permeable to air and water - Pressure-equalising foam gives perfect surface finish
Metal:	<ul style="list-style-type: none"> - Increased efficiency due to measurable time-saving - Consistent removal rates - Optimal finish in combination with 6912 as well as 6712 siafleece clean&finish
Panels:	




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Applications	
Coatings & composites:	<ul style="list-style-type: none"> - Matt finishing of conventional old and new varnishes as well as composite materials - Fine sanding of primer filler in hard-to-reach areas - Preparation for polishing on high-gloss surfaces
Wood:	<ul style="list-style-type: none"> - Keying of polyester and PU lacquers before polishing - Fine sanding of mineral materials and lacquers - Preparation for polishing on high-gloss surfaces - Final sanding on mineral materials
Metal:	
Panels:	

Material	Superordinate group	Subgroup
Coatings & composites:	<ul style="list-style-type: none"> Composites Gelcoats Lacquers Lacquers Paints Plastics Plastics 	<ul style="list-style-type: none"> ○ Composite ● Gelcoat polyester ● Lacquer ● Old lacquer ● Colour ● Plastics ● Acrylic glass (Plexiglass)
Wood:	<ul style="list-style-type: none"> Coatings Coatings Plastics 	<ul style="list-style-type: none"> ○ Composite ● Colour ● Lacquer ● Solid surface material
Metal:	<ul style="list-style-type: none"> Non-ferrous metals Non-ferrous metals 	<ul style="list-style-type: none"> ○ Aluminium alloy Aluminium
Panels:		

Conversion forms	Upper conversion	Lower conversion
	Rolls	- jumbolino
	Strips	- siafast strips
	Discs	- siafast discs

Use	Superordinate group	Subgroup
	Portable machine sanding	● random orbital sander
	Manual sanding	● Manual sanding
Cut:	Wet sanding Dry application	

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Details	
No suitability for:	<ul style="list-style-type: none"> - Glass sanding - Ceramic lacquers - Stone grinding
Sanding recommendation:	<ul style="list-style-type: none"> - Best results are obtained by damp grinding
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

Communication							
Claim:	A perfect finish for varnishes and mineral materials						
Copy:	Whether it's scuffing, fine sanding or preparation for polishing – the improved technology of 7940 siaair is the key to a perfect finish in damp and dry sanding applications.						
Industrial Verticals:	<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> - Automotive - Trucks - Railway - Marine - Aerospace - Bus </td> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> - Wind Power - Furniture - Kitchens - Interior Work - Sports Equipment </td> </tr> </table>	<ul style="list-style-type: none"> - Automotive - Trucks - Railway - Marine - Aerospace - Bus 	<ul style="list-style-type: none"> - Wind Power - Furniture - Kitchens - Interior Work - Sports Equipment 				
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Image material:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Product Top View (PTV)</td> <td>Front side:</td> <td>ID 1947</td> </tr> <tr> <td></td> <td>Reverse side:</td> <td>ID 1946</td> </tr> </table>	Product Top View (PTV)	Front side:	ID 1947		Reverse side:	ID 1946
	Product Top View (PTV)	Front side:	ID 1947				
		Reverse side:	ID 1946				
	Application image	Coatings & composites:	ID 147				
		Wood:					
		Metal:					
	Panels:						
Product show:	ID 5006						
Macro shot:	ID 5109						
Packaging image:							
Product group image:	ID 7632						
	ID 1693						

- Main application
- Secondary application