

# Technical data sheet

7940 siaair



Status:	Ok
Approval:	23.08.2023

<b>Classification</b>	
Public series	
Product type:	Coated abrasives
Main industries:	Automotive Aerospace Building Interior
Further industries:	Trucks Rail Marine Bus Wind Power Kitchens Sports Equipment

<b>Product profile</b>	
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:	

<b>Properties</b>		<b>Technology</b>
Removal rate:	8 - high	- siafast
Lifetime:	8 - long	
Finishing:	8 - good	
Flexibility:	10 - highly flexible	
Contact pressure:		

<b>Advantages</b>	
Building Interior:	<ul style="list-style-type: none"><li>- Waterproof and washable</li><li>- Very long lifetime</li><li>- Low scratch depth</li><li>- Low clogging</li><li>- Can be used many times</li><li>- Absorbs water</li><li>- Permeable to air and water</li><li>- Pressure-equalising foam gives perfect surface finish</li></ul>



<b>Advantages</b>	
Automotive:	<ul style="list-style-type: none"> <li>- High stock removal rates and excellent finish</li> <li>- Low clogging thanks to damp sanding</li> <li>- Highly adaptable to contours, curves and profiles</li> <li>- Pressure-equalising foam gives perfect surface finish</li> <li>- Waterproof and washable</li> <li>- Resistant to silicon remover</li> </ul>
Aerospace:	<ul style="list-style-type: none"> <li>- High stock removal rates and excellent finish</li> <li>- Low clogging thanks to damp sanding</li> <li>- Very long lifetime</li> <li>- Highly adaptable to contours, curves and profiles</li> <li>- Pressure-equalising foam gives perfect surface finish</li> <li>- Waterproof and washable</li> <li>- Resistant to silicon remover</li> </ul>




<b>Applications</b>	
Building Interior:	
Automotive:	<ul style="list-style-type: none"> <li>- Matt finishing of conventional old and new varnishes as well as composite materials</li> <li>- Fine sanding of primer filler in hard-to-reach areas</li> <li>- Preparation for polishing on high-gloss surfaces</li> </ul>
Aerospace:	<ul style="list-style-type: none"> <li>- Matt finishing of scratch-resistant coating systems as well as composite materials</li> <li>- Fine sanding of primer filler in hard-to-reach areas</li> <li>- Preparation for polishing on high-gloss surfaces</li> <li>- Producing a matt finish for blending</li> </ul>



<b>Material</b>		
Building Interior:	Lacquers Mineral materials Paints	<ul style="list-style-type: none"> <li>○ Composite</li> <li>● Lacquer</li> <li>● Solid surface material</li> <li>● Colour</li> </ul>
Automotive:	Composites Gelcoats Lacquers Lacquers Paints Plastics Plastics	<ul style="list-style-type: none"> <li>○ Composite</li> <li>● Gelcoat polyester</li> <li>● Lacquer</li> <li>● Old lacquer</li> <li>● Colour</li> <li>● Plastics</li> <li>● Acrylic glass</li> </ul>
Aerospace:	Acrylic glass (Plexiglass) Composites Gelcoats Lacquers	<ul style="list-style-type: none"> <li>Colour</li> <li>Old paint</li> <li>Acrylic glass</li> <li>Composite</li> <li>Gelcoat polyester</li> <li>Lacquer</li> </ul>

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

Application	Superordinate group	Subgroup
	Portable machine sanding	random orbital sander
	Manual sanding	Manual sanding
Cut:	Wet sanding	

Details	
No suitability for:	<ul style="list-style-type: none"> <li>- glass sanding</li> <li>- Ceramic lacquers</li> <li>- Stone grinding</li> </ul>
Sanding recommendation:	- Best results are obtained by damp grinding
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:	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 sanding applications.		
Image material:	Product Top View (PTV)	Front side: ID	Rear side: ID
	Application image	Building Interior:	ID 8357
		Automotive:	ID 147
		Aerospace:	ID 9271
	Product show:		
	Macro shot:		ID 5109
Packaging image:			
Product group image:			ID 1693

- Main application
- Secondary application