

## Technical data sheet

7241 siacarbon



Status:	Ok
Approval:	19.03.2024

Classification	Public series
Product type:	Coated abrasives
Main industries:	Automotive Aerospace Furniture Production Building Interior
Further industries:	Trucks Rail Marine Bus Wind Power Kitchens Sports Equipment Coils and Sheet Metal

Product profile	
Grit type:	Diamond
Grit range (total):	80; 120; 180; 240; 320; 500
Backing:	Cloth
Coating:	Special process
Bonding:	Resin over resin
Special coating:	
Equipment:	

Properties		Technology
Removal rate:	9 - very high	- siafast
Lifetime:	10 - very long	
Finishing:	8 - good	
Flexibility:	10 - highly flexible	
Contact pressure:		

Advantages	
Building Interior:	<ul style="list-style-type: none"><li>- Excellent performance on hard materials</li><li>- Extremely long lifetime thanks to state-of-the-art diamond technology</li><li>- Full-surface dust extraction</li><li>- No dependence on hole system</li><li>- Consistent removal rates</li><li>- Pleasant sanding feel</li><li>- Can be used wet or dry</li></ul>

## Advantages

Furniture Production:	<ul style="list-style-type: none"> <li>- Excellent performance on hard materials</li> <li>- Extremely long lifetime thanks to state-of-the-art diamond technology</li> <li>- Full-surface dust extraction</li> <li>- No dependence on hole system</li> <li>- Consistent removal rates</li> <li>- Pleasant sanding feel</li> <li>- Can be used wet or dry</li> </ul>
Automotive:	<ul style="list-style-type: none"> <li>- Excellent performance on hard materials</li> <li>- Extremely long lifetime thanks to state-of-the-art diamond technology</li> <li>- Full-surface dust extraction</li> <li>- No dependence on hole system</li> <li>- Minimal risk of sanding-through on edges</li> <li>- Increased efficiency due to measurable time-saving</li> <li>- Consistent removal rates</li> </ul>
Aerospace:	<ul style="list-style-type: none"> <li>- Excellent performance on hard materials</li> <li>- Extremely long lifetime thanks to state-of-the-art diamond technology</li> <li>- Full-surface dust extraction</li> <li>- No dependence on hole system</li> <li>- Minimal risk of sanding-through on edges</li> <li>- Increased efficiency due to measurable time-saving</li> <li>- Consistent removal rates</li> </ul>




## Applications


Building Interior:	
Furniture Production:	<ul style="list-style-type: none"> <li>- Fine sanding of mineral materials</li> <li>- Keying and matting of primers and melamine sheets</li> </ul>
Automotive:	<ul style="list-style-type: none"> <li>- Keying of scratch-resistant coating systems as well as composite materials</li> <li>- Keying of new components and factory primers</li> <li>- Keying of aluminium</li> </ul>
Aerospace:	<ul style="list-style-type: none"> <li>- Keying of scratch-resistant coating systems as well as composite materials</li> <li>- Keying of new components and factory primers</li> <li>- Keying of aluminium</li> </ul>

## Material

Building Interior:	<ul style="list-style-type: none"> <li>○ Melamine sheet</li> <li>● Scratchproof lacquer</li> <li>● Solid surface material</li> <li>○ Primer filler</li> <li>○ Priming foil</li> </ul>
Furniture Production:	<ul style="list-style-type: none"> <li>● Scratchproof lacquer</li> <li>○ Priming foil</li> <li>○ Melamine sheet</li> <li>○ Primer filler</li> <li>● Solid surface material</li> </ul>

Material		
Automotive:	<ul style="list-style-type: none"> <li>Gelcoats</li> <li>Lacquers</li> <li>Metals</li> <li>Plastics</li> <li>Primers</li> <li>Primers</li> </ul>	<ul style="list-style-type: none"> <li>○ Gelcoat polyester</li> <li>● Scratchproof lacquer</li> <li>● Aluminium</li> <li>○ Plastics</li> <li>● Cathodic dip primer coat</li> <li>● Epoxy primer coat</li> </ul>
Aerospace:	<ul style="list-style-type: none"> <li>Gelcoats</li> <li>Lacquers</li> <li>Non-ferrous metals</li> <li>Plastics</li> <li>Primers</li> <li>Primers</li> </ul>	<ul style="list-style-type: none"> <li>○ Gelcoat polyester</li> <li>● Scratchproof lacquer</li> <li>● Aluminium</li> <li>○ Plastics</li> <li>● Cathodic dip primer coat</li> <li>● Epoxy primer coat</li> </ul>

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

Application	Superordinate group	Subgroup
	Portable machine sanding	random orbital sander
Cut:	Dry application, Wet sanding	

Details	
No suitability for:	<ul style="list-style-type: none"> <li>- glass sanding</li> <li>- Stone grinding</li> </ul>
Sanding recommendation:	- The harder the surface, the higher the abrasive performance and the longer the tool life
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>

# Technical data sheet

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Communication			
Claim:	The harder, the more efficient		
Copy:	7241 siacarbon is ideal for wet and dry machine sanding of hard surfaces: For unique results when keying scratch-resistant lacquers, composite materials, new parts, factory primers and aluminium with a minimum of abrasives consumption.		
Image material:	Product Top View (PTV)	Front side:	ID
		Rear side:	ID
	Application image	Building Interior:	ID 11890
		Furniture	ID 2235
		Production:	ID 105
		Automotive:	ID 55
		Aerospace:	
	Product show:		
	Macro shot:		
	Packaging image:		
	Product group image:		ID 1692

- Main application
- Secondary application