

# Technical data sheet

7241 siacarbon



Status:	Ok
Approval:	15.11.2021

<b>Classification</b>	
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

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

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




<b>Advantages</b>	
General Fabrication:	<ul style="list-style-type: none"><li>- Increased efficiency due to measurable time-saving</li><li>- Extremely long lifetime thanks to state-of-the-art diamond technology</li><li>- Consistent removal rates</li><li>- Optimal finish in combination with 6912 as well as 6712 siafleece clean&amp;finish</li></ul>
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>


<b>Advantages</b>	
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>

<b>Applications</b>	
General Fabrication:	
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>

<b>Material</b>		
General Fabrication:	Non-ferrous metals	● Aluminium alloy
Building Interior:		○ Melamine sheet
		● Scratchproof lacquer
	Mineral materials	● Solid surface material
	Primer filler	○ Primer filler
Furniture Production:	Primers	○ Priming foil
	Coatings	● Scratchproof lacquer
	Coatings	○ Priming foil
	Coatings	○ Melamine sheet
	Plastics	○ Primer filler
		● Solid surface material

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

<b>Conversion forms</b>	Upper conversion	Lower conversion
	Rolls	- siafast rolls
	Strips	- siafast strips
	Discs	- siafast discs

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

<b>Details</b>	
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>



<b>Communication</b>		
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	General Fabrication: ID 4221 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