

# Technical data sheet

2971 siasphere



MKP person responsible:	Thomas Tauber
Status:	Ok
Approval:	01.07.2015

<b>Classification</b>	Public series
Product type:	Coated abrasives
Main application area:	Metal

<b>Product profile</b>	
Grit type:	Aluminium oxide
Grit range (total):	240; 320; 400; 600
Backing:	j-wt cloth
Coating:	structured
bonding:	Resin over resin
Special coating:	Cooling additive
Equipment:	

<b>Properties</b>		<b>Technology</b>
Cut:	7 - high	- siasphere
Lifetime:	10 - very long	
Finishing:	9 - very good	
Flexibility:	7 - flexible	
Contact pressure:	7 - strong	

<b>Advantages</b>	
Coatings & composites:	
Wood:	
Metal:	<ul style="list-style-type: none"><li>- Long product life</li><li>- High stock removal rates with less pressure</li><li>- Fewer belt changes</li><li>- Shorter finishing time</li><li>- Excellent and consistent finish over a long period of time</li><li>- Fewer individual operations</li></ul>
Panels:	





<b>Applications</b>	
Coatings & composites:	
Wood:	
Metal:	<ul style="list-style-type: none"><li>- Surface treatment</li><li>- Structuring and final sanding</li><li>- Sanding down</li><li>- Removing discolouration</li></ul>
Panels:	

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Material	Superordinate group	Subgroup
Coatings & composites:		
Wood:		
Metal:	High alloy steels Non-alloy / low-alloy steels Non-ferrous metals Other metals with hard to grind surfaces	<ul style="list-style-type: none"> <li>● High-alloy steel</li> <li>○ Unalloyed / low-alloy steel</li> <li>○ Non-ferrous metal</li> <li>● Other hard-to-grind metals</li> </ul>
Panels:		

Use	Superordinate group	Subgroup
	Portable machine sanding	○ Power file
	Stationary belt sanding	● Contact belt sanding
	Stationary belt sanding	○ Stroke belt sanding
	Stationary belt sanding	○ Centreless belt sanding
Cut:	Dry application Wet sanding	

Details	
No suitability for:	
Sanding recommendation:	
Safety recommendation:	<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:	the high-tech solution for efficiency and quality
Copy:	The special siasphere series allows metal surfaces to be treated more efficiently and cost-effectively. 2971 siasphere has a slightly stiffer, but still flexible backing, and is ideal for softly contoured surfaces and flat applications where higher stock removal rates are required.
Industrial Verticals:	<ul style="list-style-type: none"> <li style="width: 50%;">- Casting and Forging</li> <li style="width: 50%;">- Machinery, equipment</li> <li style="width: 50%;">- Turbines</li> <li style="width: 50%;">- Sports Equipment</li> <li style="width: 50%;">- Construction and Metalwork</li> </ul>



<b>Communication</b>			
Image material:	Product Top View (PTV)	Front side:	ID 5014
		Reverse side:	ID 5013
	Application image	Coatings & composites:	
		Wood:	ID 4513
		Metal:	
		Panels:	
	Product show:		
Macro shot:			
Packaging image:			
Product group image:		ID 7620	
		ID 4717	

- Main application
- Secondary application