

# Technical data sheet

4515 siabite



MKP person responsible:	Isabelle Kornmaier
Status:	Ok
Approval:	28.10.2016

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

<b>Product profile</b>	
Grit type:	Ceramic aluminium oxide
Grit range (total):	36; 50-120
Backing:	Fibre
Coating:	Closed
bonding:	Resin over resin
Special coating:	Cooling additive
Equipment:	


<b>Properties</b>		<b>Technology</b>
Cut:	10 - very high	
Lifetime:	10 - very long	
Finishing:	8 - good	
Flexibility:	1 - very rigid	
Contact pressure:	10 - high	


<b>Advantages</b>	
Coatings & composites:	<ul style="list-style-type: none"><li>- Wide range of grits available for coarse to fine grinding</li><li>- High edge stability, high tear resistance</li><li>- Firm fibre backing</li></ul>
Wood:	
Metal:	<ul style="list-style-type: none"><li>- High-performance product with ceramic aluminium oxide</li><li>- Active additives with a cooling effect greatly reduce discolouration</li><li>- Firm fibre backing</li></ul>
Panels:	

<b>Applications</b>	
Coatings & composites:	<ul style="list-style-type: none"><li>- Surface treatment</li><li>- Deburring</li><li>- Sanding down of glass-fibre reinforced plastics (GRP)</li></ul>
Wood:	
Metal:	<ul style="list-style-type: none"><li>- Weld preparation</li><li>- Removing discolouration</li><li>- Sanding down</li><li>- Surface treatment</li><li>- Blending</li><li>- Deburring</li></ul>

<b>Applications</b>	
Panels:	

<b>Material</b>	Superordinate group	Subgroup
Coatings & composites:	Composites	● Glass-fibre reinforced plastic (GRP)
Wood:		
Metal:	High alloy steels Other metals with hard to grind surfaces	● High-alloy steel ● Other hard-to-grind metals
Panels:		

<b>Conversion forms</b>	Upper conversion	Lower conversion
	Discs	- Fibre discs

<b>Use</b>	Superordinate group	Subgroup
	Portable machine sanding	● Angle grinder
Cut:	Dry application	

<b>Details</b>	
No suitability for:	- Brass and aluminium - Wet sanding - Stone grinding
Sanding recommendation:	- For aggressive grinding, select a hard grinding disc - For soft grinding, select a soft grinding disc
Safety recommendation:	- 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

<b>Communication</b>	
Claim:	the ceramic fibre disc for heavy-duty applications
Copy:	4515 siabite is designed especially for heavy-duty sanding applications. The highly aggressive and durable ceramic fibre disc is suitable, in particular, for materials such as stainless steel (INOX), exotic alloys and other hard to grind metals.
Industrial Verticals:	- Casting and Forging - Construction and Metalwork - Machinery, equipment

<b>Communication</b>			
Image material:	Product Top View (PTV)	Front side:	ID 1910
		Reverse side:	ID 1909
	Application image	Coatings & composites:	
		Wood:	ID 5625
		Metal:	
		Panels:	
	Product show:		
	Macro shot:		
	Packaging image:		
	Product group image:		

- Main application
- Secondary application