

# Technical data sheet

2503 siabite



Status:	Ok
Approval:	02.08.2022

Classification	
Public series	
Product type:	Coated abrasives
Main industries:	General Fabrication
Further industries:	Turbines Machinery, equipment Stamped and Shaped Parts Tubes and Profiles




Product profile	
Grit type:	Ceramic aluminium oxide
Grit range (total):	40-80
Backing:	X-wt cloth
Coating:	Closed
Bonding:	Resin over resin
Special coating:	Cooling additive
Equipment:	






Properties		Technology
Removal rate:	9 - very high	- siafast
Lifetime:	9 - very long	
Finishing:	7 - good	
Flexibility:	2 - very rigid	
Contact pressure:	10 - high	

Advantages	
General Fabrication:	<ul style="list-style-type: none"><li>- High removal rate thanks to ceramic grit</li><li>- Active additives with a cooling effect greatly reduce discolouration</li><li>- Long product life</li><li>- Cost reduction thanks to long lifetime</li></ul>

Applications	
General Fabrication:	<ul style="list-style-type: none"><li>- Weld preparation</li><li>- Removal of discolouration</li><li>- Stock removal</li><li>- Surface treatment</li><li>- Deburring</li><li>- Smoothing and blending of flaws</li></ul>

Material	
General Fabrication:	Stainless steel ● High-alloy steels

<b>Conversion forms</b>	Upper conversion	Lower conversion
	Rolls	- Cloth rolls - Jumbolino
	Discs	- Various discs
	Belts	- Wide belts (width: from 400 mm) - Hand sanding belts and sleeves (width: 30–390 mm/length: up to 950 mm) - Narrow, edge and long belts (width: 25–399 mm/length: up to 10,700 mm) - Power file belts (width: 6-30 mm/length: up to 950 mm)

<b>Application</b>	Superordinate group	Subgroup
	Portable machine sanding	Power file
	Stationary belt sanding	Contact belt sanding
	Stationary belt sanding	Contact wide belt sanding
	Stationary belt sanding	Long belt sanding
	Stationary belt sanding	Centreless belt sanding
Cut:	Dry application	

<b>Details</b>	
No suitability for:	- At low contact pressure - Fine sanding work on soft contact rollers
Sanding recommendation:	
Safety recommendation:	Observe the current valid safety recommendations at: <a href="http://www.sia-abrasives.com">www.sia-abrasives.com</a> > Expertise > Safety  - 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:	For guaranteed performance on hard to grind metals

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Communication		
Copy:	As specialist products for high-alloy steels and other hard to grind metals, 2503 siabite ceramic abrasive belts produce impressive results by offering high stock removal rates and long life and cut every step of the way – from preparation for welding to surface finishing.	
Image material:	Product Top View (PTV)	Front side: ID
		Rear side: ID
	Application image	General Fabrication: ID 8064
	Product show:	
	Macro shot:	
	Packaging image:	
	Product group image:	

- Main application
- Secondary application