

Technical data sheet

4582 siamic



Status:	Ok
Approval:	28.11.2022

Classification	Public series
Product type:	Coated abrasives
Main industries:	General Fabrication
Further industries:	Containers Machinery, equipment Casting and Forging Shipbuilding

Product profile	
Grit type:	Ceramic aluminium oxide
Grit range (total):	36; 60-80; 120
Backing:	Fibre
Coating:	Electrostatic
Bonding:	Resin over resin
Special coating:	Cooling additive
Equipment:	

Properties		Technology
Removal rate:	10 - very high	- Moulded grit - X-LOCK
Lifetime:	10 - very long	
Finishing:	8 - good	
Flexibility:	1 - very rigid	
Contact pressure:	7 - strong	

Advantages	
General Fabrication:	<ul style="list-style-type: none">- High removal rate thanks to ceramic grit- Aggressive initial sanding thanks to optimised sanding grain- Fast and rugged stock removal with regular surface quality- Long lifetime- Uniform cutting performance- Increased efficiency due to measurable time-saving- Minimal effort required thanks to highly aggressive abrasive grit


Applications	
General Fabrication:	<ul style="list-style-type: none">- Welded seam preparation- Weld removal- Removal of scale and mill scale- Deburring- Blending flaws- Removing discolouration


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Material		
General Fabrication:	Non-ferrous metals Stainless steel Steel	○ Aluminium ● Stainless steel (inox) ● Unalloyed / low-alloy steel

Conversion forms	Upper conversion	Lower conversion
	Discs	- Fibre discs

Application	Superordinate group	Subgroup
	Portable machine sanding	Angle grinder
Cut:	Dry application	

Details	
No suitability for:	- Wet sanding - Stone grinding
Sanding recommendation:	- For aggressive grinding, select a hard sanding pad
Safety recommendation:	Observe the current valid safety recommendations at: www.sia-abrasives.com > Expertise > Safety - Pay attention to the abrasives safety data sheet (available from sia Abrasives) - Follow the general EN safety recommendations - Follow the general FEPA safety recommendations - Use eye and face protection - Use hearing protection - Spectacles - glove

Communication	
Claim:	The ceramic fibre disc for maximum performance on stainless steel and steel
Copy:	The coarser grits of the 4582 siamic series have been developed to have an exceptionally high material removal speed for stainless steel and unalloyed/low-alloy steel. In addition, the shaped siamic grit increases the disc's service life. The ceramic fibre disc is also characterised by constant and even sanding in the finer grits on stainless steel (thanks to the cooling agent) and on unalloyed/low-alloy steel, resulting in an outstanding surface finish.

Communication			
Image material:	Product Top View (PTV)	Front side:	ID
		Rear side:	ID
	Application image	General Fabrication:	ID 9150
	Product show:		
	Macro shot:		
	Packaging image:		
	Product group image:		

- Main application
- Secondary application