

Technical data sheet

4582 siamic



Status:	Ok
Approval:	29.10.2021

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 top coat
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 grinders
cut:	Dry applications	

Details	
No suitability for:	- Wet sanding - stone grinding
Sanding recommendation:	- For aggressive grinding, select a hard sanding pad
Safety recommendation:	- 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 are developed for an extraordinarily high stock removal speed on stainless steel (thanks to the cooling aid) as well as unalloyed/low-alloyed steels. The long lifetime of the disc is an additional benefit of the shaped siamic grain. Additionally, the ceramic fibre disc distinguishes through a consistent cut in finer grits on stainless steel as well as unalloyed/low-alloyed steels what results in a superb surface quality.	
Image material:	Product Top View (PTV)	Front side: ID Rear side: ID
	Application image	General Fabrication: ID 12378
	Product show:	
	Macro shot:	
	Packaging image:	
	Product group image:	

- Main application
- Secondary application