

Technical data sheet

1550 siapower



Status:	Ok
Approval:	02.07.2024

Classification	
Public series	
Product type:	Coated abrasives
Main industries:	Automotive Aerospace
Further industries:	Trucks Rail Marine Bus Wind Power Kitchens Windows and Doors

Product profile		
Grit type:	Mixed grit with ceramic content Semi-friable aluminium oxide / blue-fired White aluminium oxide	40 – 220 240 – 600 800
Grit range (total):	40; 60-240; 320; 400-800	
Backing:	d-wt paper (FSC-certified) c-wt paper (FSC-certified) b-wt paper (FSC-certified)	40 – 100 120 – 240 320 – 800
Coating:	Electrostatic	
Bonding:	Resin over resin	
Special coating:	Stearate	240 – 800
Equipment:		

Properties		Technology
Removal rate:	9 - very high	- S Performance - siafast
Lifetime:	9 - very long	
Finishing:	7 - good	
Flexibility:	7 - flexible	
Contact pressure:		

Advantages	
Automotive:	<ul style="list-style-type: none">- Greater efficiency thanks to application-optimised process steps- Highest stock removal rate- Performance-enhancing grit mix with ceramic aluminium oxide in the 40–220 grit range- Minimal clogging characteristics for lacquer sanding grit range 400-600- Sustainable FSC paper for the abrasive backing

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Advantages

Aerospace:	<ul style="list-style-type: none"> - Greater efficiency thanks to application-optimised process steps - Highest stock removal rate - Performance-enhancing grit mix with ceramic aluminium oxide in the 40–220 grit range - Minimal clogging characteristics for lacquer sanding grit range 400-600 - Sustainable FSC paper for the abrasive backing
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Applications

Automotive:	<ul style="list-style-type: none"> - Sanding of coatings and impurities - Sanding out unevenness at the edges of repaired surfaces - Flatting of bodyfiller and composite materials - Fine sanding of primer filler - Keying of old and new lacquers - Producing a matt finish on old and new lacquers for blending
Aerospace:	<ul style="list-style-type: none"> - Keying of polyesters and composites - Sanding out feather edges, flash rust and stone chips - Shaping of bodyfillers and primer fillers - Keying of new components and factory primers - Sanding of old lacquer - Producing a matt finish on old and new lacquers for blending - Flatting of bodyfiller and primer filler - Removal of orange peel effect and dust inclusions - Preparation for polishing on high-gloss surfaces

Material

Automotive:	<ul style="list-style-type: none"> Bodyfiller Composites Gelcoats Lacquers Lacquers Paints Plastics Plastics Primer filler Primers Primers Primers 	<ul style="list-style-type: none"> ● Bodyfiller ● Glass-fibre reinforced plastic (GRP) ● Gelcoat polyester ● Lacquer ● Old lacquer ● Colour ● Plastics ● Acrylic glass ● Primer filler ● Primer coat ● Epoxy primer coat ● Cathodic dip primer coat
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Material		
Aerospace:	<ul style="list-style-type: none"> Acrylic glass (Plexiglass) Bodyfiller Composites Gelcoats Lacquers Plastics Primers Primers Primers 	<ul style="list-style-type: none"> ● Colour ● Primer filler ● Old lacquer ● Acrylic glass ● Bodyfiller ● Glass-fibre reinforced plastic (GRP) ● Gelcoat polyester ● Lacquer ● Plastics ● Primer coat ● Epoxy primer coat ● Cathodic dip primer coat

Conversion forms	Upper conversion	Lower conversion
	Rolls	- siafast rolls
	Strips	- siafast strips
	Discs	- siafast discs

Application	Superordinate group	Subgroup
	Portable machine sanding	random orbital sander
	Portable machine sanding	Orbital sanders
	Manual sanding	Hand sanding with sanding block
Cut:	Dry application	

Details	
No suitability for:	<ul style="list-style-type: none"> - glass sanding - Wet sanding - Stone grinding
Sanding recommendation:	
Safety recommendation:	<p>Observe the current valid safety recommendations at: www.sia-abrasives.com > Expertise > Safety</p> <ul style="list-style-type: none"> - 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



Communication			
Claim:	Boost your efficiency		
Copy:	Efficient stock removal and a very long lifetime in dry sanding applications. The paper thickness, which is tailored to the grit and application, performs impressively on bodyfiller, primer filler and varnish materials. 1550 siapower uses sustainable FSC paper for the abrasive backing.		
Image material:	Product Top View (PTV)	Front side:	ID
		Rear side:	ID
	Application image	Automotive:	ID 117261
		Aerospace:	ID 117262
	Product show:		
	Macro shot:		
Packaging image:			
Product group image:			ID 117263

- Main application
- Secondary application