



Abrasives for the Aerospace Industry

Proven solutions with focus on safety,
longevity and maximum efficiency

OEM

Activation of hard primers
 Lacquering preparation on primer
 Preparing for logo applications
 Finishing - Polishing



Tier Suppliers

Composite paint preparation
 Composite component manufacture
 Composite interiors (GRP) siafix quick change system
 Removing machine marks
 Metal component manufacture



MRO

Benchmark test: Reducing downtime
 Exterior - Sanding off paint
 Interior - Cabin conditioning
 Interior - High-gloss panels
 Polishing acrylic



Aerospace Industry

	Materials							Application steps					Backing						Available in grit ranges:
	Acrylic glass (Plexiglass)	Lacquers	Topcoats	Primers	Aluminium	Knifing stopper	Composites	Sanding off	Sanding out	Fine sanding	Matte finishing	Polishing	Fibre	Film	Foam	Paper (FSC™ certified*)	Dry application	Damp / Wet sanding	
1550 siapower	▼	▼	▼	▼		▼	▼	▼	▼		▼	▼				▼	▼		40-800
1815 siatop							▼	▼					▼			▼	▼		24-80; P100-P400
1913 siawat										▼	▼	▼				▼		▼	P80-P1200
1944 siaone	▼	▼	▼	▼		▼		▼		▼	▼	▼				▼	▼		P40-P500
1948 siaflex	▼	▼	▼	▼	▼	▼	▼	▼		▼	▼	▼				▼	▼	▼	P40-P600; 800
1950 siaspeed	▼	▼	▼	▼		▼	▼	▼	▼		▼	▼		▼		▼	▼		40-80; P100-P600; 800-1500
5500 siastyle	▼	▼	▼	▼		▼	▼	▼	▼		▼	▼		▼					60-800
6120 siafleece					▼		▼												Extra Cut A, Coarse A, Medium A, Fine A, Very Fine A
7240 siacarat	▼	▼				▼				▼	▼							▼	500; 1000; 2000; 3000
7241 siacarbon		▼	▼	▼	▼			▼									▼	▼	80; 120; 180; 240; 320; 500
7500 sianet CER	▼	▼	▼	▼		▼	▼	▼	▼		▼								80-400
7900 sianet	▼	▼	▼	▼		▼		▼	▼	▼					▼		▼		P80-P400
7940 siaair	▼	▼	▼							▼	▼				▼		▼	▼	240; 360; 500-1000; 1500-2000; 3000-4000
7950 siapower-foam		▼		▼						▼	▼						▼		600-2000
7979 siasponge flat								▼			▼				▼		▼	▼	fine (240-320) - ultrafine (800-1000)
7983 siasponge flex				▼		▼		▼		▼					▼		▼	▼	fine (240-320) - ultrafine (800-1000)
7991 siasponge block		▼	▼	▼	▼	▼		▼	▼	▼					▼		▼	▼	medium (180); fine (220); superfine (320)
siachrome	▼	▼	▼			▼					▼				▼				wide range of products for top coat preparation

▼ Main application ▼ Secondary application



NEW

1550 siapower

Highest stock removal with uniform scratch depth for a fine finish



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.

Advantages

- ▶ 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

Applications

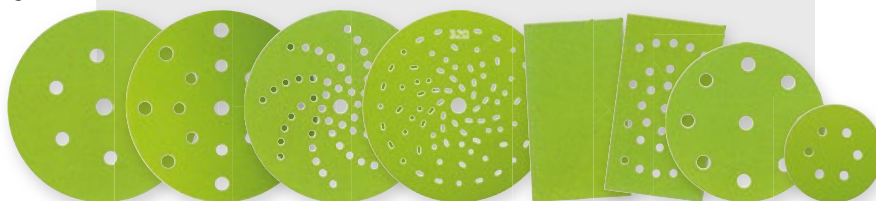
- ▶ Sanding of coatings and impurities
- ▶ Sanding out unevenness at the edges of repaired surfaces
- ▶ Flattening of bodyfiller and composite materials
- ▶ Fine sanding of primer filler
- ▶ Keying of old and new lacquers
- ▶ Producing a matt finish on old and new lacquers for blending

Materials

Colour; Primer filler; Bodyfiller; Lacquer; Old lacquer; Primer coat; Epoxy primer coat; Cathodic dip primer coat; Plastics; Acrylic glass; Gelcoat polyester; Glass-fibre reinforced plastic (GRP)

Product profile

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



NEW

5500 siastyle

Best dust extraction and max process reliability thanks to colour-code



The new, colour-coded 5500 siastyle abrasive impresses with absolute process reliability and a fresh design. The durable grit clusters guarantee maximum productivity and a continuous work process. The strong film backing has a high tear resistance that can withstand even the highest strains. In our opinion, the coolest abrasive there is.

Advantages

- ▶ Cool design, maximum reliability
- ▶ Innovative coating technology, maximum productivity
- ▶ Best quality, maximum lifetime
- ▶ Powerful ceramic grit
- ▶ Strong filmbacking

Applications

- ▶ Sanding of coatings and impurities
- ▶ Sanding out unevenness at the edges of repaired surfaces
- ▶ Flattening of bodyfiller and composite materials
- ▶ Flattening of primer filler
- ▶ Keying of old and new lacquers
- ▶ Producing a matt finish on old and new lacquers for blending

Materials

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Product profile

Grit range:	60-80; 120-240; 320; 400-800	
Grit type:	Mixed grit with ceramic content	60 – 180
	Ceramic aluminium oxide	220 – 600
	Aluminium oxide	800
Backing:	Film	
Coating:	Electrostatic	
Bonding:	Resin over resin	
Special coating:	Stearate	220 – 800



Your Partner for Process Reliability

In collaboration with leading aerospace companies, we develop sanding processes that meet the strict requirements of the industry. Our application engineers support you in creating and implementing work instructions to achieve repeatable and process-reliable results.



Our Commitment to Your Safety



Our manufacturing process is designed to meet the **highest quality standards,** suitable for even the most demanding applications.



We bring Value to your Surface
www.sia-abrasives.com

