



General Fabrication

Grinding solutions for metal professionals

**Abrasives
for real
Specialists**





Grinding Solutions

| | |
|-------------------|---------|
| System Solutions | Page 08 |
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Product Range

| | |
|---------------------|---------|
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sia Abrasives



Global partner

Developed and manufactured using Swiss technology and represented in over 80 countries: sia Abrasives markets complete abrasive systems for all kinds of surfaces with its 1,300 employees worldwide.

World's most modern abrasives plant

Setting the pace for the next generations of abrasives: Innovative abrasives are manufactured "just in time" using a modularised production process in the highly innovative Maker 5 plant.

Production expertise

The technology leader is setting new standards with the world's most state-of-the-art abrasives production plant, the Maker 5.

Visit us online:



- ▶ Product search
- ▶ Clearly arranged comparison of products
- ▶ Accessible anytime from anywhere

www.sia-abrasives.com

Industrial Know-how

As a world-leading manufacturer of high-quality abrasives with more than 140 years of expertise and innovativeness, we know the process steps of our customers and offer the right sanding solution for any material.

Fabrication



Tanks/Containers



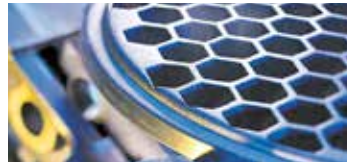
Metal Construction



Plant/Machinery



Casting/Forging

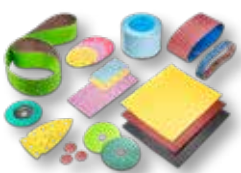


Ship Building



Types of abrasives

Over 60,000 abrasive products in a variety of abrasive formats, sizes and specifications for all materials, applications and requirements.



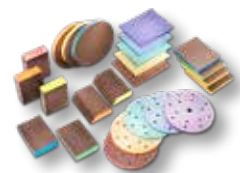
Coated abrasives

- Classical coated abrasives and abrasive systems
- For advanced surface treatment of all types of material



Nonwoven abrasives

- Nonwoven products for preparation and cleaning tasks and for structuring
- Especially for use on metal



Foam abrasives

- Foam sanding pads in the widest possible range of shapes and grades
- For precision treatment of wood, fillers, paints and lacquers

Grinding Solutions





System Solutions

Paint preparation mild steel
2K Finish stainless steel

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Best Practise

Rust removal

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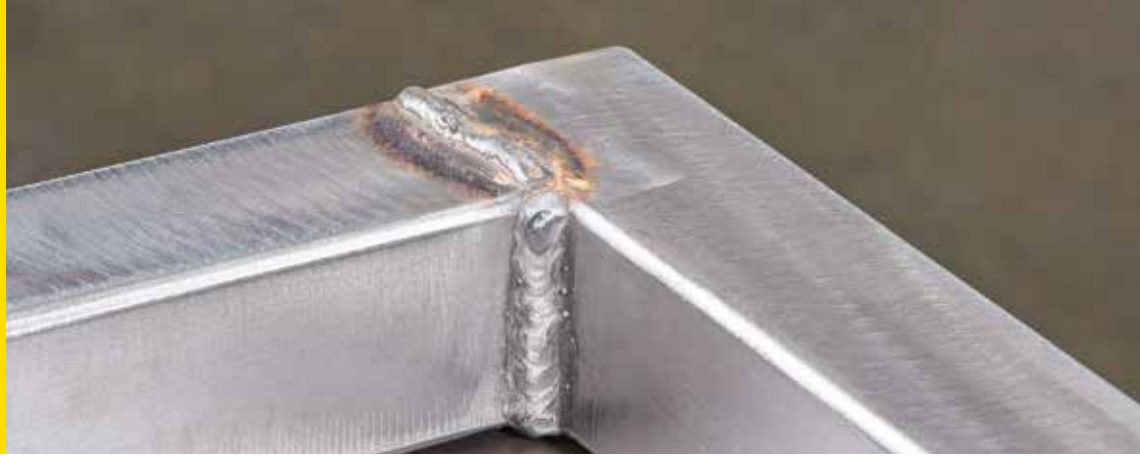


Industry Approved

Road tanker manufacturer
Tank manufacturer
Mild/Stainless steel fabricator
Passenger train maintenance

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System Solution
**Paint
 preparation**
 Mild Steel



**The sia-
 Standard**
 For everyday work.

1 Weld Removal



4560 siabite



Ceramic Fibre Disc
 Grit: # 36
 Angle grinder
 11,000 rpm recommended*
 Turbo I Fibre Disc
 Backing Pad



2 Surface Refinement



6270 siamet SCM LS



SCM Disc
 Grit: coarse
 Angle grinder
 7,500 rpm recommended*
 SCM Backing Pad



**Maximum
 Lifetime**

When product lifetime
 really counts!

1 Weld Removal



2824 siaflap



Zirconia Flap Disc
 Grit: # 40
 Angle grinder
 11,000 rpm recommended*

2 Surface Refinement



6924 siamet HD



SCM Disc
 Grit: coarse
 Angle grinder
 7,500 rpm recommended*
 SCM Backing Pad



**Maximum
 Speed**

When the job needs to
 be finished fast!

1 Weld Removal



4570 siabite X



Ceramic Fibre Disc
 Grit: # 36+
 Angle grinder
 11,000 rpm recommended*
 Turbo II Fibre Disc
 Backing Pad



2 Surface Refinement



6924 siamet HD



SCM Disc
 Grit: extra coarse
 Angle grinder
 7,500 rpm recommended*
 SCM Backing Pad



* Speed recommendations based on 115 mm and 125 mm disc diameter.
 For other sizes different speed recommendations apply.



3 Final Finishing**



1815 siatop



siafast Disc
Grit: # 80
D/A sander
full speed recommended
siafast Backing Pad

Up to **40%** quicker



Compared to traditional 4-step approach

3 Final Finishing**



1815 siatop



siafast Disc
Grit: # 80
D/A sander
full speed recommended
siafast Backing Pad

Up to **6x** longer lifetime



Compared to sia-Standard process

3 Final Finishing**



2546 siabite



siafast Disc
Grit: # 80
D/A sander
full speed recommended
siafast Backing Pad

Up to **70%** faster



Compared to traditional 4-step approach

** Additional 3rd step for wet coating / 30 mic powder

System Solution
2K Finish
 Stainless Steel



The sia-Standard
 For everyday work.

1 Weld Removal



4560 siabite



Ceramic Fibre Disc
 Grit: # 80
 Angle grinder
 7,500 rpm recommended*



Standard Fibre Disc
 Backing Pad

2 Surface Refinement



6270 siamet SCM LS



Disc
 Grit: medium
 Angle grinder
 7,500 rpm recommended*



SCM Backing Pad

1 Weld Removal



4570 siabite X



Ceramic Fibre Disc
 Grit: # 80+
 Angle grinder
 7,500 rpm recommended*



Standard Fibre Disc
 Backing Pad

2 Surface Refinement



6924 siamet HD



Disc
 Grit: medium
 Angle grinder
 7,500 rpm recommended*



SCM Backing Pad

Maximum Speed
 When the job needs to be finished fast!

* Speed recommendations based on 115 mm and 125 mm disc diameter. For other sizes different speed recommendations apply.



3 Pre-finishing



6130 siamop interleaved



Sanding wheel
Grit: fine A/180
Burnishing machine
full speed recommended*

4 Final-finishing



6120 siafleece



Pad
Grit: medium S

Up to
-10%
material costs



Compared with average traditional process steps

3 Pre-finishing



6130 siamop interleaved



Sanding wheel
Grit: fine A/180
Burnishing machine
full speed recommended*

4 Final-finishing



6120 siafleece



Pad
Grit: extra cut S

Up to
20%
time savings



Compared to sia-standard process

Best Practise
**Rust
Removal**



Conventional SCM disc



**SCM Disc
115 mm
extra coarse**

SCM disc can be used
for rust removal.



Conventional fibre disc



**Fibre Disc
115 mm, # 36**

Fibre discs are often
used for rust removal.



sia Abrasives: siastrip disc



**6300 siastrip
115 mm
extra coarse**

Fibre glass backed disc.





siasstrip disc – For a fast and efficient cleaning process



Test conditions:

Material: Mild steel sheet

Area: 250 x 300mm

Application: Angle grinder, 1,500 W

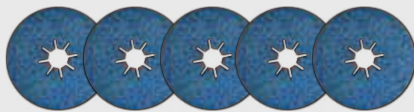
Speed: 11,000 rpm



Needed time: 9 min 10 sec
Result: discs load very quickly
Consumption: 6 discs used



Needed time: 8 min 8 sec
Result: discs glaze very quickly
Consumption: 5 discs used



Needed time: 3 min 7 sec
Result: fast surface cleaning,
no glazing, no loading
Consumption: 1 disc used



Up to 3X faster
and more efficient cleaning process*



* Compared to alternative products above

Industry approved
**Road Tanker
 Manufacturer**



1 **Weld removal**

2511 siabite
 Ceramic belt
 75 x 2,000 mm
 Grit: # 50



2 **Cleaning weld spatter**

2824 siaflap
 Flap disc
 125 mm
 Grit: # 80



3 **Refinement**

6270 siamet SCM LS
 SCM disc
 115 mm
 Grit: medium



Industry approved
**Tank
 Manufacturer**



1 **Weld removal**

4570 siabite X
 Fibre Disc
 115 mm
 Grit: # 80+




2 **Weld refinement**

6270 siamet SCM LS
 SCM Disc
 115 mm
 Grit: coarse



3 **Refinement**

2511 siabite
 Sander sleeves
 100 x 283 mm
 Grit: # 120



Customer

A large manufacturer of stainless steel road tankers

User target

- Speed up process and reduce working time
- Reduce costs, specifically for the refinement and pre-polishing application

Application Challenge

- Removal of large TIG welds
- Cleaning weld spatter with minimal damage to workpiece surface
- Surface refinement to a pre-polish finish
- Originally 6-steps were required to complete the job



TESTED & PROVEN
by Industrial Specialist

4 Pre-finish

6270 siamet SCM LS
SCM belt
50 x 420 mm
Grit: coarse



5 Finish

6270 siamet SCM LS
SCM belt
50 x 420 mm
Grit: medium



save **48hrs**
operator time*

Customer

A leading stainless steel tank manufacturer

User target

- Improve the final finish quality and therefore reduce re-working
- Reduce overheating and distortion in welded areas
- Improve process efficiency and throughput

Application Challenge


- Removal of TIG welds with minimal heat creation
- Provide a consistently reproducible surface finish with as few process steps as possible



TESTED & PROVEN
by Industrial Specialist

4 Final blending

6270 siamet SCM LS
Sander sleeves
100 x 289 mm
Grit: medium



save **30%**
grinding time*

* Compared to previous process; per year


Industry approved
**Mild/Stainless
 Steel Fabricator**



1 **Weld removal**

Stainless

4570 siabite X
 Ceramic Fibre Disc
 115 mm
 Grit: # 60+



2 **Weld refinement**

6270 siamet SCM LS
 SCM Disc
 115 mm
 Grit: coarse



3 **Pre-graining**


2803 siaron
 Zirc Sander Sleeves
 100 x 283 mm
 Grit: # 120



1 **Weld removal**

Mild steel

4570 siabite X
 Ceramic Fibre Disc
 115 mm
 Grit: # 60+



2 **Weld refinement**

6924 siamet hd
 SCM Disc
 115 mm
 Grit: coarse



3 **Surface finishing**

1815 siatop
 siafast Discs
 150 mm
 Grit: # 120



Industry approved
**Passenger Train
 Maintenance**



1 **Removal**
 of old paint, smoothing of sharp metal edges

2824 siaflap
 siafix Flap Discs
 50 mm
 Grit: # 40



2 **Keying**
 of metal surface prior to paint preparation

1950 siaspeed
 Coated Abrasives Disc
 150 mm
 Grit: # 40, multi-hole



Customer

A medium sized fabricator of general products made from mild and stainless steel

User target

- Maximise efficiencies and improve process time

Application Challenge

- Weld removal and surface preparation for painting on mild steel
- Weld removal and structured satin finishing on stainless steel in less than the current 6 process steps being used



TESTED & PROVEN
by Industrial Specialist

4 Re-graining

6270 siamet SCM LS

Sander sleeves
100 x 289 mm
Grit: medium



save **33%** grinding time*

save **10%** abrasive cost*

Customer

A prominent maintenance provider within the rail industry

User target

- Reduce dust contamination and improve overall application efficiency

Application Challenge

- Remove old paint from roof section (previously done via sandblasting)
- Prepare aluminium metal surface for new paint application



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by Industrial Specialist

save **200 hrs**
operator time*

* Compared to previous process; per year

Products



Angle grinder

► Product overview



Cutting and grinding discs



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Flap discs



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Fibre discs



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SCM discs



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siastrip discs



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D/A orbital sander



siafast discs



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Pistol grinder, die grinder, burnishing machine



siafix quick change system



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Spiralbands



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Spindle mounted flap wheels



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Sanding wheels



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Belt machines



Belts – Heavy backing



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Belts – Flexible backing



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Belts – SCM



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Hand sanding



Nonwoven hand pads



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Nonwoven rolls



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Coated rolls



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Accessories



Backing pads



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Mounting systems









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Cutting and Grinding Discs

Applications

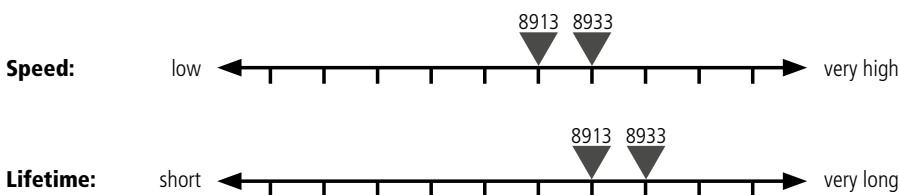
- Cutting
- Grinding

| Bonded abrasives | 8913 siacut | 8933 siagrind |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |
| Best for | General cutting | Heavy grinding |
| Advantages | <ul style="list-style-type: none"> • Designed for stainless and/or mild steel applications • Excellent price/performance ratio | <ul style="list-style-type: none"> • Designed for stainless and/or mild steel applications • Long lifetime • Excellent price/performance ratio |
| Product profile | | |
| Grit type | Aluminium oxide / Silicon Carbide | Aluminium oxide |
| Grit range | 30 – 60 | 20/24 |
| Backing | Glass fibre reinforced | Glass fibre reinforced |
| Materials | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▼ |
| Non-ferrous metals | ▽ | ▽ |
| Other metals | ▽ | ▽ |
| Application | | |
| Heavy-duty | ▽ | ▼ |
| Standard | ▼ | ▽ |
| Light | ▽ | |
| Dimensions | | |
| Diameter | Ø 76 – 230 mm | Ø 100 – 230 mm |
| Thickness | 1.0 – 3.0 mm | 6.0 mm |
| Variant | T41  T42  | T27  |
| Safety | Organisation for the safety of abrasives (OSA) Eurasian Conformity, Customs Union of Russia, Belarus (EAC) European standard (EN 12413) Australian standard (AS 1788) American standard (ANSI 7.1) | |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com





The right product for your application



Flap Discs

Applications

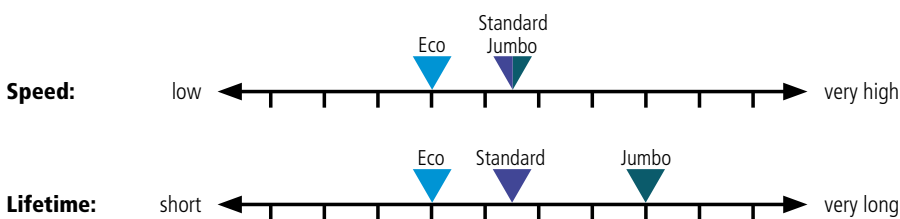
- Heavy stock removal
- Weld removal
- Deburring
- Weld preparation
- Removing discolouration
- Surface treatment

| Coated Abrasives | 2824 siaflap Jumbo | 2824 siaflap Standard | 2824 siaflap Eco |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Best for | Longest life | General grinding | Low cost |
| Advantages | <ul style="list-style-type: none"> • Thicker construction • Uniform cutting speed • Extremely long lifetime | <ul style="list-style-type: none"> • Good removal rate • Consistent surface quality • Long lifetime | <ul style="list-style-type: none"> • Economic & universal • Optimised cloth backing • Good removal rate |
| Product profile | | | |
| Grit type | Zirconia alumina | Zirconia alumina | Zirconia alumina |
| Grit range | 40; 60; 80 | 40; 60; 80; 120 | 40; 60; 80 |
| Backing | x-wt cloth | x-wt cloth | x-wt cloth |
| Coating | Active Additives | Active Additives | Active Additives |
| Materials | | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ | ▼ |
| High alloy steel / stainless steel | ▽ | ▽ | ▽ |
| Non-ferrous metals | ▽ | ▽ | ▽ |
| Other metals | | | |
| Application | | | |
| Heavy | ▼ | | |
| Standard | ▽ | | |
| Light | | ▽ | ▽ |
| Dimensions | | | |
| Diameter | Ø 115 – 125 mm | Ø 115 – 180 mm | Ø 115 – 125 mm |
| Variant | T29 Angled, Fibre Glass | T27 Flat, Fibre Glass, Plastic T29 Angled, Fibre Glass | T29 Angled, Fibre Glass |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip: Longer lifetime







Flap discs offer a more comfortable grinding experience than bonded discs, as well as offering longer lifetime than fibre discs. This makes them an ideal choice when product lifetime is of primary importance.



Fibre Discs

Applications

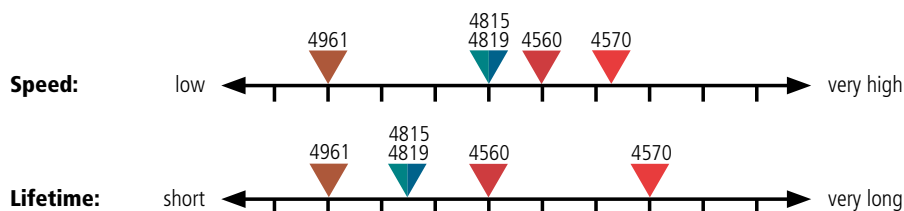
- Weld removal
- Weld preparation
- Removing discolouration
- Sanding down
- Surface treatment
- Smoothing and blending of flaws
- Deburring

| | 4570 siabite X | 4560 siabite | 4815 siacut | 4819 siaron 8 | 4961 sialoX |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Best for | Simply the coolest grinding with new X-Technology | A premium allrounder | Stainless steel fine sanding | General grinding | Light applications |
| Advantages | <ul style="list-style-type: none"> • Cool grinding • Long lifetime • Consistent cutting performance • Fine surface finish | <ul style="list-style-type: none"> • High performance – total stock removal • Firm fibre backing • Reduced discolouration | <ul style="list-style-type: none"> • Aggressive cut • Firm fibre backing • Reduced discolouration | <ul style="list-style-type: none"> • High removal rate • Long lifetime • Versatile • Firm fibre backing | <ul style="list-style-type: none"> • Versatile all-round product • Excellent price/performance ratio |
| Product profile | | | | | |
| Grit type | Ceramic aluminium oxide | Ceramic aluminium oxide | Zirconia alumina | Zirconia alumina | Aluminium oxide |
| Grit range | 36+; 60+; 80+; 120+ | 36; 50 – 120 | 24; 36; 50 – 150 | 24; 36 – 120 | 16; 24; 36 – 120 |
| Backing | Fibre | Fibre | Fibre | Fibre | Fibre |
| Coating | X-Technology | Cooling top coat | Cooling top coat | Active additives | Active additives |
| Materials | | | | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▽ | ▽ | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▼ | ▼ | ▽ | ▽ |
| Non-ferrous metals | ▽ | | | ▼ | ▼ |
| Other metals | ▼ | ▽ | ▽ | | |
| Application | | | | | |
| Heavy-duty | ▼ | ▼ | | ▼ | |
| Standard | ▼ | ▼ | ▼ | ▼ | ▼ |
| Light | ▽ | ▽ | ▽ | ▽ | ▼ |
| Dimensions | | | | | |
| Diameter | Ø 100 – 180 mm | Ø 115 – 180 mm | Ø 100 – 180 mm | Ø 100 – 180 mm | Ø 100 – 180 mm |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip: Turbo-Pad II

Aggressive grinding thanks to a heavy duty and ribbed design which helps to increase contact pressure between the disc and the workpiece. Long Lifetime due to heat resistant thermostable plastic. A perfect match for coarse fibre discs when maximum stock removal is a must!






SCM Discs

Applications

- Surface refinement
- Removing discolouration
- Blending of flaws

- Surface treatment
- Deburring
- Removal of rust and paint

| Nonwoven Abrasives | 6924 siamet hd | 6270 siamet SCM LS |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |
| Best for | Quick cut | Long lifetime |
| Advantages | <ul style="list-style-type: none"> • Highest aggressiveness • Excellent performance on metal materials • Fastest stock removal | <ul style="list-style-type: none"> • Long lifetime • Consistent surface finish • Good edge stability |
| Product profile | | |
| Grit type | Aluminium oxide | Blue-fired aluminium oxide |
| Grit range | extra coarse – medium | coarse – very fine |
| Backing | Scrim | Scrim |
| Coating | – | – |
| Materials | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▼ |
| Non-ferrous metals | ▽ | ▼ |
| Other metals | ▼ | ▼ |
| Application | | |
| Heavy | ▼ | ▽ |
| Standard | ▼ | ▼ |
| Light | ▽ | ▽ |
| Dimensions | | |
| Diameter | Ø 115 – 178 mm | Ø 100 – 178 mm |

- ▼ Main application
- ▽ Secondary application

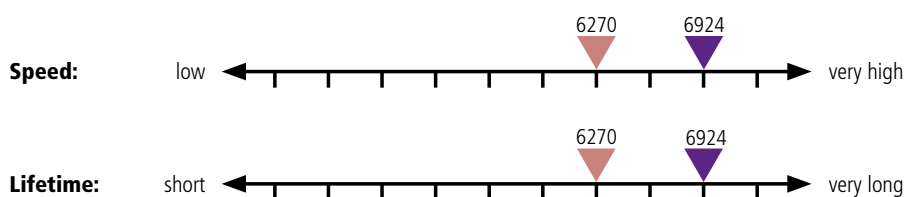
Further products available on www.sia-abrasives.com

3 in 1
sia Abrasives SCM discs have a modular construction. You can use all discs with 3 different mounting options.



Version A Version B Version C

The right product for your application



Expert tip:



For best finish and product lifetime reduce the angle grinder speed to $\frac{2}{3}$ (approx. 7,500 rpm).



siastrip Discs

Applications

- Rust removal
- Coating removal from all metal
- Light scale removal
- Weld cleaning
- Graffiti removal from stone and concrete
- Epoxy removal

| Nonwoven Abrasives | 6300 siastrip |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |
| Best for | Rust removal |
| Advantages | <ul style="list-style-type: none"> • No damage to underlying material • No clogging • Fast working at low working temperature |
| Product profile | |
| Grit type | Silicon Carbide |
| Grit range | extra coarse |
| Backing | Nylon fibre structure |
| Materials | |
| Non-alloy / low-alloy / mild steels | ▼ |
| High alloy steel / stainless steel | ▽ |
| Non-ferrous metals | ▼ |
| Concrete & Stone | ▽ |
| Application | |
| Heavy | |
| Standard | ▼ |
| Light | ▼ |
| Dimensions | |
| Diameter | T27: Ø 100, 115, 125 mm on special request: Ø 100, 150 mm siafix: Ø 50 – 75 mm |

- ▼ Main application
- ▽ Secondary application

Available for angle grinders and for die grinders for mandrel application.
Further products available on www.sia-abrasives.com



Expert tip: Maximum efficiency

For maximum efficiency reduce the angle grinder speed to half (approx. 5,500 rpm) this will extend the product lifetime.







Ideal for removing rust and paint prior to welding, the specially designed web structure allows the efficient removal of surface contaminants without damaging the underlying material below. Also suitable for use on composites, wood, and concrete.



siafast Discs

Applications

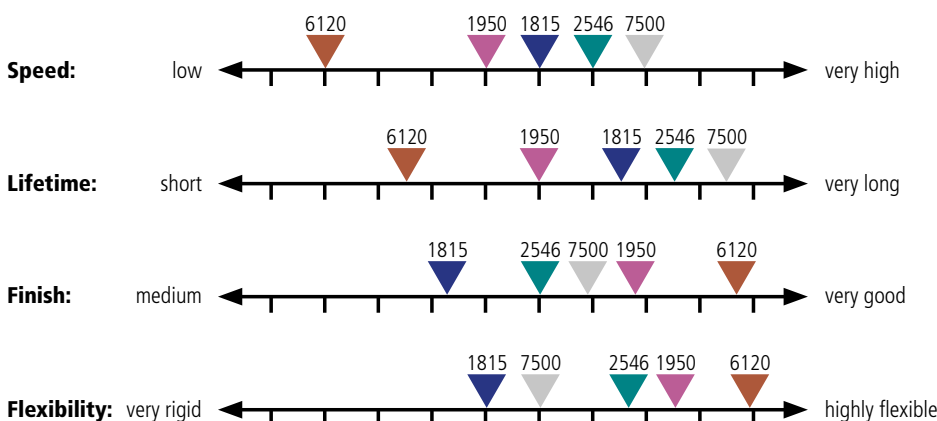
- Light weld removal (1815)
- Removal of paint and rust
- Removing discolouration
- Deburring
- Surface treatment
- Blending of flaws

| Coated Abrasives | 2546 siabite | 1815 siatop | 1950 siaspeed | 7500 sianet CER | 6120 siafleece |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Best for | Contour applications | Light stock removal | Aluminium finishing | Longest lifetime on Aluminium | Fine finishing |
| Advantages | <ul style="list-style-type: none"> • Very flexible backing – ideal for contours • Long lifetime • Heat reduced cutting | <ul style="list-style-type: none"> • High edge stability • Light fibre backing in coarse grits • Aggressive cut | <ul style="list-style-type: none"> • Ceramic content in coarse grits • Ideal for aluminium, paint, composites, plastics • Great for light applications | <ul style="list-style-type: none"> • Aggressive ceramic grain for fast sanding • Full-surface dust extraction • High tear resistance thanks to net backing | <ul style="list-style-type: none"> • Very flexible • Ideal for surface finishing |
| Product profile | | | | | |
| Grit type | Ceramic aluminium oxide | Zirconia alumina | Aluminium oxide / ceramic | Ceramic aluminium oxide | Aluminium oxide / Silicon Carbide |
| Grit range | 60 – 240 | 24 – 150 | 40 – 600 | 80 – 400 | coarse – ultra fine S |
| Backing | jj-wt cloth | Fibre / f-wt paper | c-wt paper | Net | Nonwoven |
| Coating | Cooling top coat | Active additives | – | – | – |
| Materials | | | | | |
| Non-alloy / low-alloy / mild steels | ▽ | ▼ | ▽ | | ▼ |
| High alloy steel / stainless steel | ▼ | ▽ | | | ▼ |
| Non-ferrous metals | | ▼ | ▼ | ▼ | ▽ |
| Other metals | ▽ | | ▽ | ▽ | ▽ |
| Application | | | | | |
| Heavy | ▽ | ▽ | | | |
| Standard | ▼ | ▼ | ▽ | ▼ | ▼ |
| Light | | | ▼ | ▽ | ▼ |
| Dimensions | | | | | |
| Diameter | Ø 115 – 180 mm | Ø 115 – 180 mm | Ø 125 – 150 mm | Ø 125 – 150 mm | Ø 125 – 150 mm |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip: Extended backing pad life







To maximise the life of the backing pad use a sia intermediate interface pad. Particularly useful during tough applications involving edge work.



siafix Quick Change System

Applications

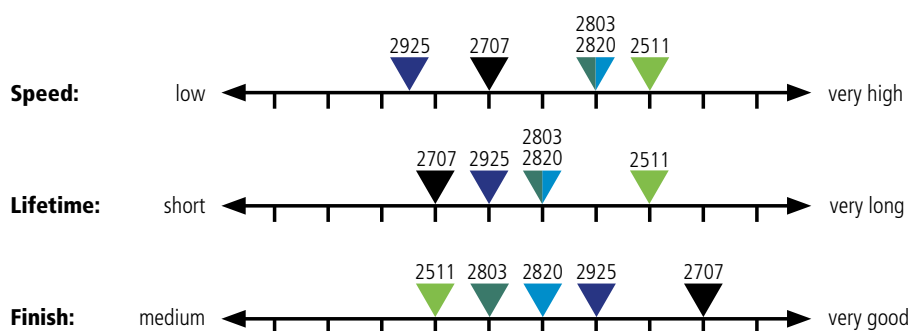
- Deburring
- Light weld removal
- Removing rust
- Removing discolouration
- Surface treatment
- Blending
- Structuring and final sanding

| Coated Abrasives | 2511 siabite | 2803 siaron y | 2820 siamet | 2925 sialoX | 2707 siawat |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Best for | Fastest stock removal | General stainless steel applications | General grinding and finishing on multiple metals | Fine finishing | Titanium |
| Advantages | <ul style="list-style-type: none"> • Long lifetime • Aggressive cut • Heat-reduced cutting | <ul style="list-style-type: none"> • Reduce discolouration • Excellent performance and lifetime • High removal rate with low pressure | <ul style="list-style-type: none"> • High edge stability, high tear resistance • High performance | <ul style="list-style-type: none"> • High edge stability, high tear resistance • For general use | <ul style="list-style-type: none"> • Versatile • Ideal for glass, plastics, composites |
| Product profile | | | | | |
| Grit type | Ceramic aluminium oxide | Zirconia alumina | Zirconia alumina | Aluminium oxide | Silicon Carbide |
| Grit range | 36 – 120 | 36 – 180 | 36 – 320 | 24 – 320 | 60 – 320 |
| Backing | y-wt cloth | x-wt cloth | y-wt cloth | x-wt cloth | x-wt cloth |
| Coating | Cooling top coat | Cooling top coat | Active additives | Active additives | – |
| Materials | | | | | |
| Non-alloy / low-alloy / mild steels | ▽ | ▽ | ▼ | ▼ | |
| High alloy steel / stainless steel | ▼ | ▼ | ▽ | ▽ | ▽ |
| Non-ferrous metals | | | ▼ | ▼ | |
| Other metals | ▽ | ▽ | | | ▼ |
| Application | | | | | |
| Heavy | ▼ | ▼ | ▽ | | |
| Standard | ▽ | ▽ | ▼ | ▼ | ▼ |
| Light | | | ▼ | ▼ | ▽ |
| Dimensions | | | | | |
| Diameter | Ø 20 – 75 mm | Ø 25 – 75 mm | Ø 20 – 75 mm | Ø 20 – 75 mm | Ø 20 – 75 mm |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip: 2-step solution





The system solution from coarse sanding through to finishing. Using a combination of coated abrasives and SCM products provides a high removal rate at first and an optimum surface finish at the end.

Example: on stainless steel bracket with TIG weld seam

Step 1:
2511 siabite, grit of 80

Step 2:
6924 siamet hd, medium

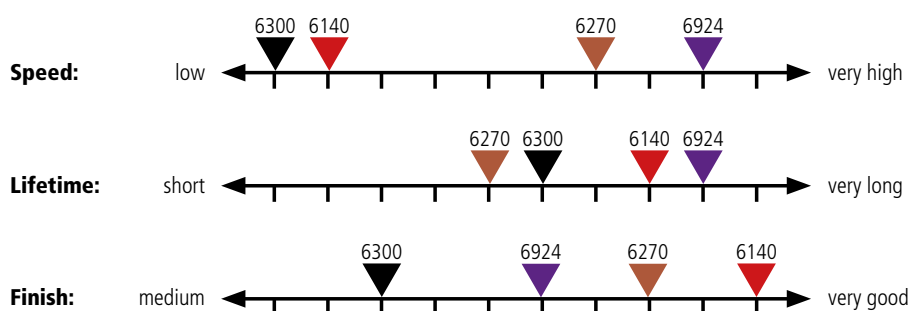



| Nonwoven Abrasives | 6924 siamet hd | 6270 siamet SCM LS | 6140 siafleece sd | 6300 siastrip |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Best for | Quick cut | Long lifetime | Aluminium finishing | Rust removal |
| Advantages | <ul style="list-style-type: none"> • Major time-saving • More resistant on edges • Low smearing tendency | <ul style="list-style-type: none"> • Long lifetime • Excellent surface quality | <ul style="list-style-type: none"> • Consistent sanding pattern and long lifetime • High tear resistance • Low clogging | <ul style="list-style-type: none"> • No clogging • Excellent performance and lifetime |
| Product profile | | | | |
| Grit type | Aluminium oxide | Blue-fired aluminium oxide | Aluminium oxide | Silicon Carbide |
| Grit range | extra coarse – medium | coarse – superfine | coarse – very fine | extra coarse |
| Backing | Scrim | Scrim | Cloth | Nylon Fibre Structure |
| Coating | – | – | – | – |
| Materials | | | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▼ | ▼ | ▽ |
| Non-ferrous metals | ▽ | ▼ | ▼ | ▼ |
| Other metals | ▼ | ▼ | ▽ | |
| Application | | | | |
| Heavy | ▼ | | | |
| Standard | ▼ | ▼ | | ▼ |
| Light | ▽ | ▼ | ▼ | ▼ |
| Dimensions | | | | |
| Diameter | Ø 20 – 75 mm | Ø 20 – 75 mm | Ø 20 – 75 mm | Ø 50 – 75 mm |

▼ Main application
 ▽ Secondary application

Further products available on www.sia-abrasives.com



The right product for your application







siafix
Fastening system

Type: S / 2





Type: R / 3

Spiral belts

Applications

- Deburring
- Finishing
- Blending of flaws

| Coated Abrasives | 2511 siabite | 2820 siamet | 2923 sialoX |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Best for | Fastest stock removal | General grinding and finishing on multiple metals | Fine finishing |
| Advantages | <ul style="list-style-type: none"> • Up to 200% more stock removal than Alox • Up to 15% longer lifetime than competition equivalent • Cool grinding • Excellent price performance ratio | <ul style="list-style-type: none"> • Up to 70% more stock removal than Alox • Effective on both mild steel and stainless steel | <ul style="list-style-type: none"> • Good surface quality • Most economical product for mild steel applications |
| Product profile | | | |
| Grit type | Ceramic aluminium oxide | Zirconia alumina | Aluminium oxide |
| Grit range | 36; 60; 80; 120 | 36 – 150 | 50; 80; 150 |
| Backing | x-wt cloth | x-wt cloth | x-wt cloth |
| Coating | Cooling top coat | Active additives | – |
| Materials | | | |
| Non-alloy / low-alloy / mild steels | ▽ | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▽ | ▽ |
| Non-ferrous metals | | ▽ | ▼ |
| Other metals | ▽ | ▽ | |
| Application | | | |
| Heavy | ▼ | ▽ | |
| Standard | ▼ | ▼ | ▼ |
| Light | ▽ | ▽ | ▽ |
| Dimensions | | | |
| Diameter | Ø 15 – 75 mm | Ø 10 – 60 mm | Ø 10 – 75 mm |
| Width | 20 – 30 mm | 20 – 30 mm | 20 – 30 mm |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com





The right product for your application



Spindle-Mounted Flap Wheels

Applications

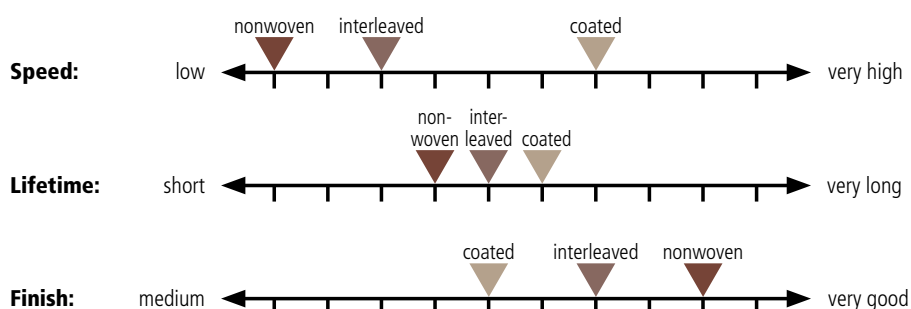
- Deburring
- Blending of flaws
- Structuring / finishing
- Removing discolouration

| Nonwoven Abrasives | 2923 siamop | 6120 siamop Interleaved | 6120 siamop Nonwoven |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Best for | Fastest stock removal | Blending applications | Fine finishing |
| Advantages | <ul style="list-style-type: none"> • Wide range of applications • Highly flexible • Versatile • Fast stock removal | <ul style="list-style-type: none"> • Great for blending • Higher conformability • Combined surface treatment and finishing | <ul style="list-style-type: none"> • Perfect for re-graining and finishing on stainless steel • Highest conformability • Choice between matte or bright surface finish |
| Product profile | | | |
| Grit type | Aluminium oxide | Aluminium oxide | Aluminium oxide, Silicon Carbide |
| Grit range | 40; 60; 80; 120; 150 | coarse A/60*; medium A/120*; fine A/180*; very fine A/240* | extra coarse A; coarse A; medium A; medium S; fine A; very fine A |
| <small>* nonwoven / coated grit</small> | | | |
| Backing | x-wt cloth | x-wt cloth, nonwoven | Nonwoven |
| Materials | | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ | ▼ |
| High alloy steel / stainless steel | ▽ | ▼ | ▼ |
| Non-ferrous metals | ▽ | ▽ | ▽ |
| Other metals | ▽ | ▽ | ▽ |
| Application | | | |
| Heavy | ▼ | | |
| Standard | ▼ | ▼ | ▼ |
| Light | ▽ | ▽ | ▽ |
| Dimensions | | | |
| Diameter | Ø 20 – 80 mm | Ø 38 – 100 mm | Ø 38 – 100 mm |
| Width | 10 – 50 mm | 10 – 50 mm | 10 – 50 mm |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com





The right product for your application



Sanding Wheels

Applications

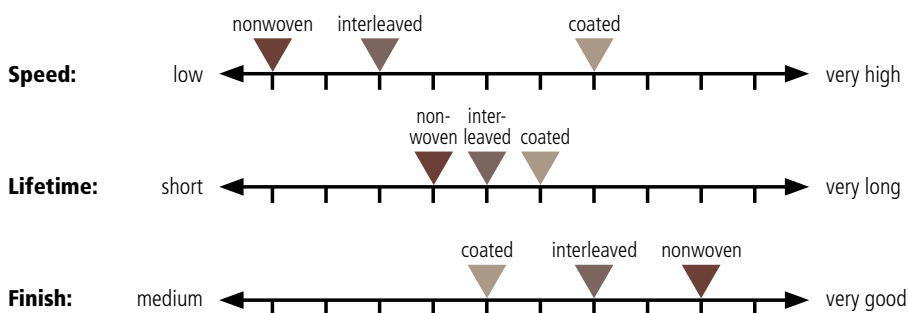
- Deburring
- Blending of flaws
- Structuring / finishing
- Removing discolouration

| Nonwoven Abrasives | 2923 siamop | 6130 siamop Interleaved | 6130 siamop Nonwoven |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Best for | Fastest stock removal | Blending | Fine finishing |
| Advantages | <ul style="list-style-type: none"> • Excellent surface quality • Long lifetime | <ul style="list-style-type: none"> • Great for blending • Combined surface treatment and finishing • Ideal for regraining | <ul style="list-style-type: none"> • Perfect for fine finishing on stainless steel • High conformability |
| Product profile | Aluminium oxide | Aluminium oxide | Aluminium oxide |
| Grit type | 40; 60; 80; 120; 180; 240 | coarse A/60*; medium A/120*; fine A/180*; very fine A/240* | coarse A; medium A; very fine A |
| Grit range | | | |
| * nonwoven / coated grit | | | |
| Backing | x-wt cloth | x-wt cloth, nonwoven | Nonwoven |
| Materials | | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ | ▼ |
| High alloy steel / stainless steel | ▽ | ▼ | ▼ |
| Non-ferrous metals | ▽ | ▽ | ▽ |
| Other metals | ▽ | ▽ | ▽ |
| Application | | | |
| Heavy | ▼ | | |
| Standard | ▼ | ▼ | ▼ |
| Light | ▽ | ▽ | ▽ |
| Dimensions | | | |
| Diameter | 100 mm | 100 mm | 100 mm |
| Width | 100 mm | 100 mm | 100 mm |
| Centre bore | 19 mm | 19 mm | 19 mm |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com

The right product for your application



Expert tip: Perfect Results






Use the Fine A/180 Interleaved wheel as a part of the sia-system solution for a perfect 2K grained finish on stainless steel.



Belts – Heavy Backings

Applications

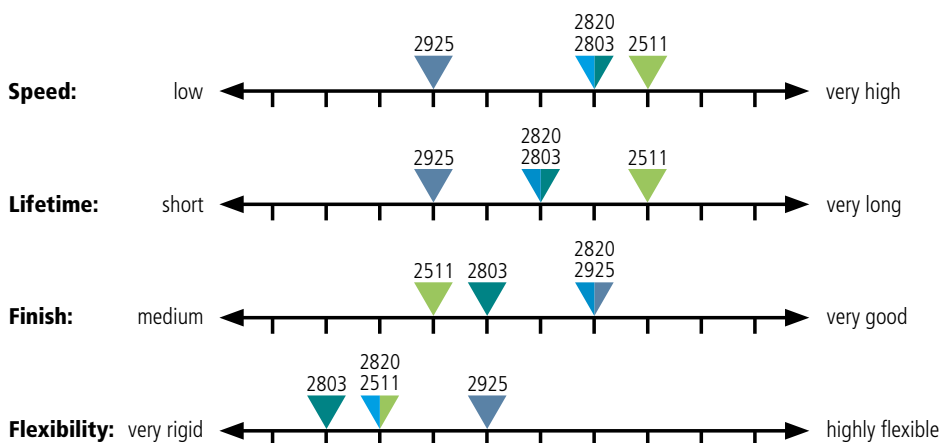
- Weld preparation
- Sanding down
- Deburring
- Blending of flaws
- Weld removal
- Surface treatment
- Structuring and final sanding
- Removal of rust

| Coated Abrasives | 2511 siabite | 2803 siaron | 2820 siamet | 2925 sialoX |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Best for | Fastest stock removal | General stainless steel applications | General grinding and finishing on multiple metals | Fine finishing |
| Advantages | <ul style="list-style-type: none"> • Long lifetime • Heat-reduced cutting • High-performance product | <ul style="list-style-type: none"> • Reduce discolouration • High edge stability | <ul style="list-style-type: none"> • High performance for all metals • Suitable for dry and wet grinding applications • Aggressive cut | <ul style="list-style-type: none"> • For general use in dry and wet grinding applications |
| Product profile | | | | |
| Grit type | Ceramic aluminium oxide | Zirconia alumina | Zirconia alumina | Aluminium oxide |
| Grit range | 36 – 120 | 36 – 180 | 36 – 400 | 24 – 400 |
| Backing | x-wt cloth | x-wt cloth | x-wt cloth | x-wt cloth |
| Coating | Cooling top coat | Cooling top coat | Active additives | Active additives |
| Materials | | | | |
| Non-alloy / low-alloy / mild steels | ▽ | ▽ | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▼ | ▽ | ▽ |
| Non-ferrous metals | | | ▼ | ▼ |
| Other metals | ▼ | ▽ | ▽ | ▽ |
| Application | | | | |
| Heavy | ▼ | ▽ | ▽ | |
| Standard | ▼ | ▼ | ▼ | ▼ |
| Light | | | ▽ | ▽ |

- ▼ Main application
- ▽ Secondary application

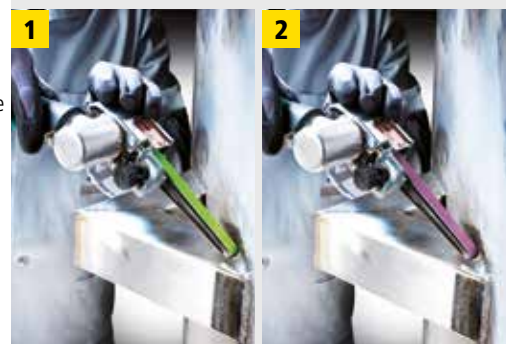
Further products available on www.sia-abrasives.com

The right product for your application



Expert tip: 2-step solution





For the ultimate process solutions a combination of coated and nonwoven SCM belts can offer considerable time savings and increased production output.



Belts – Flexible Backings

Applications

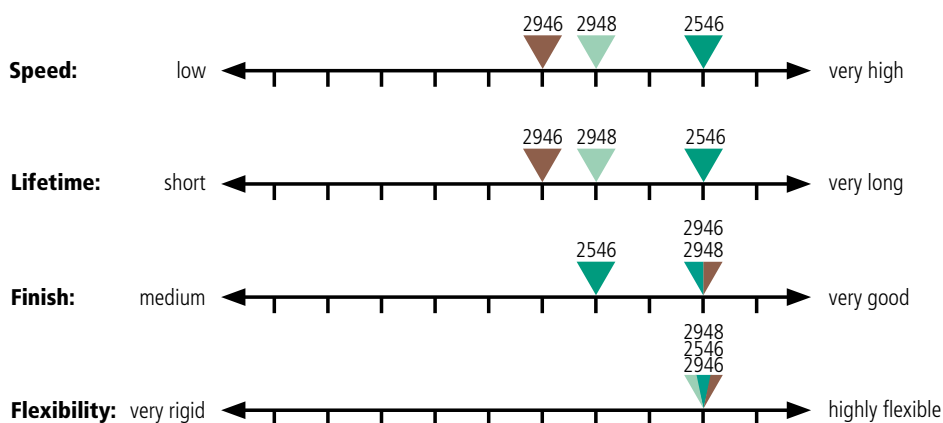
- Surface refinement
- Initial polishing
- Structuring and final sanding
- Sanding contours and curves

| Coated Abrasives | 2546 siabite | 2946 siatur | 2948 siatur |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Best for | Longest life on stainless steel | Fine finishing on mild steel | Fine finishing on stainless steel |
| Advantages | <ul style="list-style-type: none"> • High stock removal • Reduce discolouration • Highly adaptable to contours | <ul style="list-style-type: none"> • Highly adaptable to contours • Excellent surface quality • Versatile | <ul style="list-style-type: none"> • Reduce discolouration • Highly adaptable to contours • Excellent price / performance ratio |
| Product profile | | | |
| Grit type | Ceramic aluminium oxide | Aluminium oxide | Aluminium oxide |
| Grit range | 60 – 400 | 60 – 600 | 80 – 600 |
| Backing | jj-wt cloth | jj-wt cloth | jj-wt cloth |
| Coating | Cooling top coat | Active additives | Cooling top coat |
| Materials | | | |
| Non-alloy / low-alloy / mild steels | ▽ | ▼ | ▽ |
| High alloy steel / stainless steel | ▼ | ▽ | ▼ |
| Non-ferrous metals | | ▼ | |
| Other metals | ▼ | ▽ | ▼ |
| Application | | | |
| Heavy | | | |
| Standard | ▽ | ▽ | ▽ |
| Light | ▼ | ▼ | ▼ |

- ▼ Main application
- ▽ Secondary application

Further products available on www.sia-abrasives.com


The right product for your application



Belts – SCM

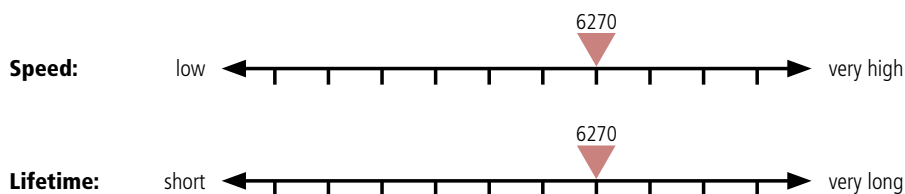
Applications

- Removing discolouration
- Refining coated belts scratches
- Surface treatment
- Blending of flaws
- Restructuring and regraining

| Nonwoven Abrasives | 6270 siamet SCM LS |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |
| Best for | Long lifetime and fast cut |
| Advantages | <ul style="list-style-type: none"> • Highly flexible • Consistent surface quality • Low clogging • Long lifetime |
| Product profile | |
| Grit type | Blue-Fired Aluminium oxide |
| Grit range | coarse – very fine |
| Backing | Scrim |
| Coating | – |
| Materials | |
| Non-alloy / low-alloy / mild steels | ▼ |
| High alloy steel / stainless steel | ▼ |
| Non-ferrous metals | ▼ |
| Other metals | ▼ |
| Application | |
| Heavy | ▽ |
| Standard | ▼ |
| Light | ▽ |

▼ Main application Further products available on www.sia-abrasives.com
 ▽ Secondary application

The right product for your application


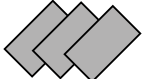


6270 siamet SCM LS

Hand Sanding

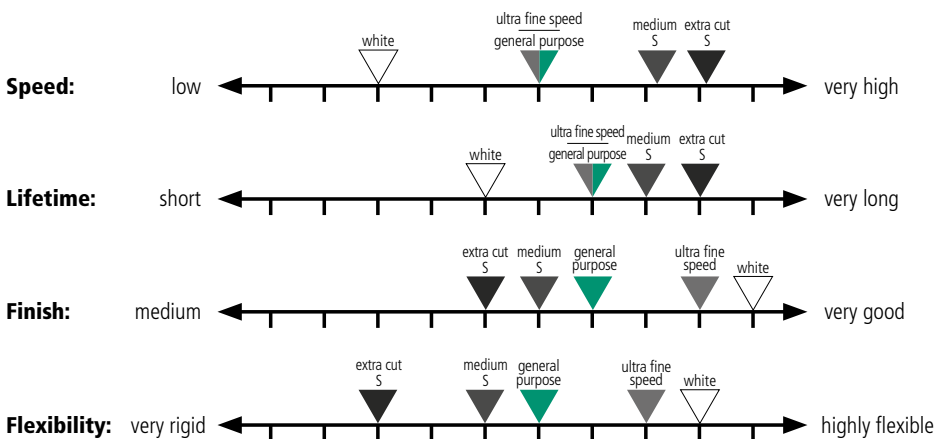
Applications

- Surface contaminant removal
- Finishing and re-graining metal surfaces
- Weld cleaning
- Cleaning glass and ceramics (white)
- For use on metals, paints, composites, ceramics, glass and more

| 6120 siafleece | extra cut S | medium S | ultra fine speed | general purpose | white |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | |
| Best for | Fastest finish | Bright surface finish on stainless steel | Super fine finishing | All round use | Cleaning and polishing |
| Advantages | <ul style="list-style-type: none"> • Stiff product with high aggression • Quick cut and long life • Gives a satin finish on stainless steel | <ul style="list-style-type: none"> • Fast blending • Gives a bright surface finish on stainless steel • Great for cleaning mild steel | <ul style="list-style-type: none"> • High durability • Flexible and conformable • Ideal for scuffing of paint and lacquer | <ul style="list-style-type: none"> • Extra surface grain for a clean cutting action • Ideal all round product for multiple applications | <ul style="list-style-type: none"> • No abrasive grain so ideal for gentle cleaning of glass, ceramics, stainless steel |
| Product profile | | | | | |
| Grit type | Silicon Carbide | Silicon Carbide | Silicon Carbide | Aluminium oxide | None |
| Grit size | 80 | 120 | 600 | 320 | – |
| Grit equivalent finish | 220 – 280 | 320 – 360 | 1,000 – 1,200 | 600 – 800 | Cleaning |
| Backing | Nonwoven | Nonwoven | Nonwoven | Nonwoven | Nonwoven |
| Materials | | | | | |
| Non-alloy / low-alloy / mild steels | ▼ | ▼ | ▽ | ▼ | ▼ |
| High alloy steel / stainless steel | ▼ | ▼ | ▼ | ▽ | ▼ |
| Non-ferrous metals | ▽ | ▽ | ▽ | ▽ | ▼ |
| Other metals | ▽ | ▽ | ▽ | ▽ | ▼ |
| Application | | | | | |
| Heavy | ▼ | ▽ | | | |
| Standard | ▽ | ▼ | ▽ | ▽ | ▽ |
| Light | | ▽ | ▼ | ▼ | ▼ |
| Dimensions | Hand pads only. | Various hand pads and rolls.   | | | |

- ▼ Main application
- ▽ Secondary application







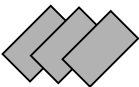
The right product for your application



Expert tip: Finishing

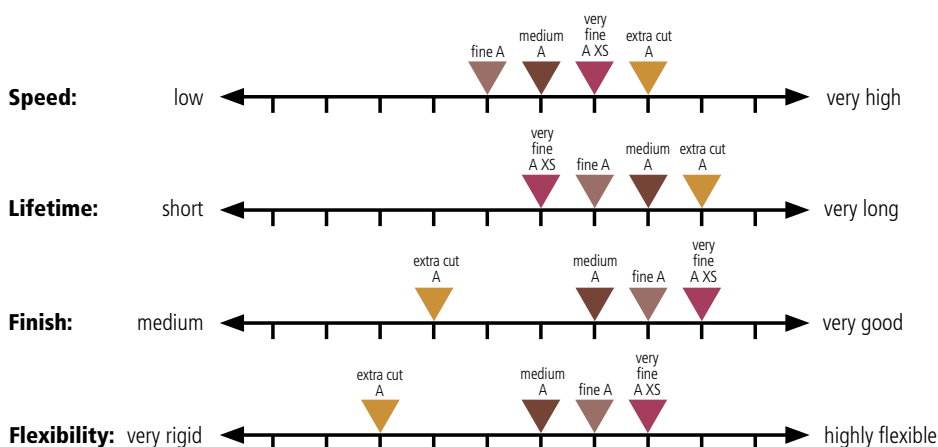
Fleece products are ideal for removing small scratches or discolouration from metal surfaces while still maintaining the original grained finish.



| extra cut A | medium A | fine A | very fine A XS | 2915 siarol |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Matte Finishing | Mild steel applications | Aluminium applications | Satin finishing on stainless steel | Deburring and finishing |
| <ul style="list-style-type: none"> • Stiff product with high aggression • Quick cut and long life • Provides an excellent matte finish | <ul style="list-style-type: none"> • Flexible and conformable • Ideal for matte finishing on all metals | <ul style="list-style-type: none"> • Consistent fine finish • Flexible and conformable • Perfect for light contaminant removal on aluminium and stainless steel | <ul style="list-style-type: none"> • Extra surface grain for a clean cutting action • Consistent fine finish • Ideal for satin finishing on stainless steel and non-ferrous metals | <ul style="list-style-type: none"> • Adapts well to curves and contours • Excellent surface quality • Good lifetime |
| Aluminium oxide | Aluminium oxide | Aluminium oxide | Aluminium oxide | Aluminium oxide |
| 80 | 120 | 180 | 320 | 40 – 400 |
| 220 – 280 | 320 – 360 | 400 – 500 | 600 – 800 | – |
| Nonwoven | Nonwoven | Nonwoven | Nonwoven | Flexible cloth |
| ▼ | ▼ | ▼ | ▼ | ▼ |
| ▽ | ▽ | ▽ | ▽ | ▽ |
| ▽ | ▽ | ▽ | ▽ | ▽ |
| ▽ | ▽ | ▽ | ▽ | ▽ |
| ▼ | ▽ | ▼ | ▼ | ▼ |
| ▽ | ▼ | ▽ | ▽ | ▽ |
| Various hand pads and rolls |  |  | | Rolls and sheets |

Further products available on www.sia-abrasives.com

The right product for your application







Expert tip: Finishing

Ultra fine, very fine and fine grades can also be used on primed and painted surface for keying.



Accessories

| | Turbo Pad II Backing pad for fibre discs | Turbo Pad I Backing pad for fibre discs | Standard Pad Backing pad for fibre discs |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Hardness | Extra hard | Hard | Medium/hard |
| Flexibility | ● | ● ● | ● ● ● |
| Features | 145 – 240 grooves* | 24 – 36 ribs* + air holes | n/a |
| Recommended for grits | # 16, 24, 36, 40, 50 # 36+, 60+ | # 36, 40, 50, 60 # 60+, 80+ | # 60, 80, 100, 120, 150 # 80+, 120+ |
| Sizes | 115 – 180 mm | 115 – 180 mm | 100 – 180 mm |
| Application | <ul style="list-style-type: none"> • Heavy duty stock removal • Large weld removal | <ul style="list-style-type: none"> • Stock removal and general grinding • Medium weld removal and blending | <ul style="list-style-type: none"> • General grinding and finishing • Light weld removal, blending and surface finishing |
| Advantages | <ul style="list-style-type: none"> • Most aggressive grinding due to a heavy duty and ribbed design • Multi-groove construction maximises contact pressure between the disc and the work piece • Angled surface provides a more ergonomic grinding position • Long lifetime due to special thermostable plastic | <ul style="list-style-type: none"> • Air flowholes help to improve cooling • Ribs help increase contact pressure and aid airflow between the disc and the backing pad • Long lifetime due to special thermostable plastic | <ul style="list-style-type: none"> • Semi-flexibility edge for precision finishing • Long lifetime due to special thermostable plastic |

* depending on disc diameter

* depending on disc diameter

siafix Backing Pads and Accessories



Product details

- Available with both R type and S type fittings
- Sizes from 20 – 75 mm, with hardness density from soft to hard
- Hard density pad includes a grooved construction to increase contact pressure making the abrasive discs work harder and improve stock removal rates
- All pads have a standard M6 thread and come with a 6 mm (¼") spindle adaptor
- An M14 adaptor is also available separately for use with a standard angle grinder


Spiralband Holders



Product details

- Expanding rubber drums with integrated spindle
- High quality rubber holders are designed to offer the best possible grip and maximise output from each spiralband used
- Includes all the necessary sizes to support the entire sia-spiralband range

Intermediate pad



Product details

- For use with sianet to improve the grip of the disc to micro hook backing pads
- Extend the life of backing pads by using the interface pad – especially beneficial for application which involve edge work
- Available in multiple hole patterns or without holes

SCM Backing Pads



Product details

- Designed to work in unison with our SCM disc range to give the perfect surface finish
- Available with or without centre pin for use with scrim backed SCM discs
- The centre pin maintains perfect disc positioning reducing vibration risk
- Without centre pin allows for flatter sanding applications
- Quick and simple disc changes are easily achieved due to the hook fastening system

siafast Backing Pads



Product details

- Available in multiple densities for all suitable applications using Dual Action sanders
- The range includes pads with or without extraction holes
- Available in sizes 125 mm – 150 mm
- The siafast pad range also includes a solid density pad with an M14 thread for use on Angle Grinders, available in sizes 115 mm – 180 mm; Perfect for use with 1815 siafast discs for light stock removal

Product search
Metal applications

| Materials | | | | Conversion forms | | | | | | Application steps | | | | | | | | | | |
|------------------------------|-------------------|--------------------|--------------|------------------|--------|-------|------------|------------|-------|-------------------|-------------------------|-----------|---------------------------|------------------|--------------|------------------------|-------------------|----------|-------------|--------|
| Non-alloy / low-alloy steels | High alloy steels | Non-ferrous metals | Other metals | Rolls | Strips | Discs | Flap discs | Flap wheel | Belts | Cutting | Grinding / Weld Removal | Deburring | Removal of rust and paint | Weld preparation | Sanding down | Removing discoloration | Surface treatment | Blending | Structuring | Finish |

| | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1815 siatop | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 1950 siaspeed | ▼ | | ▼ | ▼ | ▼ | ▼ | | | | | | | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2511 siabite | | ▼ | | ▼ | ▼ | ▼ | | | ▼ | | ▼ | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2546 siabite jj | ▼ | ▼ | | ▼ | ▼ | ▼ | | | ▼ | | | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2707 siawat x | | ▼ | | ▼ | ▼ | ▼ | | | ▼ | | | ▼ | | | | | ▼ | ▼ | ▼ | ▼ |
| 2800 siaron | ▼ | ▼ | ▼ | | ▼ | ▼ | ▼ | | ▼ | | ▼ | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2803 siaron x | | ▼ | | ▼ | ▼ | ▼ | | | ▼ | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2820 siamet | ▼ | | ▼ | | ▼ | ▼ | ▼ | | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2824 siaflap | ▼ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2915 siarol | ▼ | ▼ | ▼ | | ▼ | ▼ | | | | | | ▼ | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2923 sialoX | ▼ | | ▼ | | | | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2925 sialoX | ▼ | | ▼ | | ▼ | ▼ | ▼ | | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2946 siatur jj | ▼ | | ▼ | | ▼ | ▼ | ▼ | | ▼ | | | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 2948 siatur jj | | ▼ | | ▼ | ▼ | | | | ▼ | | | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 4560 siabite | ▼ | ▼ | | ▼ | | ▼ | | | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 4570 siabite X | ▼ | ▼ | | ▼ | | ▼ | | | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 4815 siacut | ▼ | ▼ | | ▼ | | ▼ | | | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 4819 siaron 8 | ▼ | | ▼ | | | ▼ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 4961 sialoX | ▼ | | ▼ | | | ▼ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 6120 siafleece | ▼ | ▼ | ▼ | | ▼ | ▼ | ▼ | | ▼ | | | | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ |
| 6130 siafleece hd | ▼ | ▼ | ▼ | ▼ | ▼ | | | ▼ | | | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 6140 siafleece sd | ▼ | ▼ | ▼ | ▼ | ▼ | | ▼ | | ▼ | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 6270 siamet SCM LS | ▼ | ▼ | ▼ | ▼ | ▼ | | ▼ | | ▼ | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 6300 siastrip | ▼ | | | | ▼ | ▼ | | | | | | ▼ | | | | | | | | |
| 6924 siamet SCM HD | ▼ | ▼ | ▼ | ▼ | | ▼ | | | | | | ▼ | ▼ | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 7500 sianet CR | | | ▼ | ▼ | ▼ | ▼ | | | | | | | | | | | ▼ | ▼ | ▼ | ▼ |
| 8913 siacut | ▼ | ▼ | | | | ▼ | | | | ▼ | | | | | | | | | | |
| 8933 siagrind | ▼ | | | | | ▼ | | | | | | ▼ | | ▼ | | | | | | |

▼ Main application
 ▽ Secondary application

| Application | | | | Backing | | | | | | | |
|--------------------------|--|--|--|----------------|--|--|--|--|-----------------|--|--|
| Portable machine sanding | | | | Fibre | | | | | | | |
| Manual sanding | | | | Cloth flexible | | | | | | | |
| Stationary belt grinders | | | | Cloth rigid | | | | | | | |
| Stationary machines | | | | Paper heavy | | | | | | | |
| | | | | Fleece | | | | | | | |
| | | | | Resin | | | | | | | |
| | | | | | | | | | Dry application | | |
| | | | | | | | | | Wet sanding | | |



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