Longer lasting, faster finishing

6270 siamet SCM LS

Longer lasting, faster finishing
Up to 25% longer lasting and 30% faster to the same surface finish

The new 6270 SCM range with high-performance blue fired aluminium oxide grain and improved low stretch scrim helps deliver longer lifetime and faster working in both discs and belts.

The right abrasives for your surface finishing

Surface finish across all grains**
Stainless Steel (Ra)

Product profile
Grit type: Blue-fired aluminium oxide
Backing: Low-stretch scrim
Materials: Stainless steel, Mild steel, Aluminium, Brass

* Tested with 115 mm SCM discs at 7,500 RPM & 5 Amps pressure on 304L SS
** Tested with SCM belts at 17 m/s on 90° shore A polyurethane wheel on 304L SS
6270 siamet SCM LS – Longer lasting, faster finishing

Faster working
Self sharpening, tough blue-fired aluminium oxide grain offers a cleaner cut.

Better edge stability
Crosslink adhesion technology promotes a stronger connection between the grain and fibre.

Longer lifetime
Improved resin system results in more stability at higher temperatures making it possible to work longer.

Low stretch scrim
Specially selected low stretch scrim restricts belt elongation during use.

Application hints with 6270 siamet SCM LS

<table>
<thead>
<tr>
<th>Surface refinement</th>
<th>coarse</th>
<th>medium</th>
<th>fine</th>
<th>very fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Blending scratches from previous sanding processes</td>
<td>▼</td>
<td>▼</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Refining defects and handling marks</td>
<td>▼</td>
<td>▼</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Intermediate grain finish</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Non-alloy/low-alloy/mild steels</td>
<td>▼</td>
<td>▼</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High alloy steel/stainless steel</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
<tr>
<td>Non-ferrous metals/Aluminium</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
<td>▼</td>
</tr>
</tbody>
</table>

Deburring

| - Metal burr removal | Non-alloy/low-alloy/mild steels | ▼ | ▼ | | |
| - Micro-burr removal | High alloy steel/stainless steel | ▼ | ▼ | | |
| | Non-ferrous metals/Aluminium | ▼ | ▼ | | |

Surface treatment

| - Final surface finishing | Non-alloy/ low-alloy/mild steels | ▼ | ▼ | ▼ | ▼ |
| - Matching and blending existing surfaces | High alloy steel/stainless steel | ▼ | ▼ | ▼ | ▼ |
| | Non-ferrous metals/Aluminium | ▼ | ▼ | ▼ | ▼ |

▼ Main application
▽ Secondary application
# System Solution – Paint Preparation

**Base material: Mild steel**

**Result: Ready for paint**

### 1. Weld Removal
- 4560 siamet
  - Ceramic Fibre Disc
  - Grit: #36
  - Angle grinder
  - 11’000 rpm recommended*

### 2. Surface Refinement
- 6270 siamet SCM LS
  - SCM Disc
  - Grit: Coarse
  - Angle grinder
  - 7’500 rpm recommended*

### 3. Final Finishing**
- 1815 siatop
  - siafast Disc
  - Grit: #80
  - D/A sander
  - full speed recommended

* *Speed recommendations based on 115 mm disc diameters. For other sizes different speed recommendations apply.*

**System Solution – Stainless Steel**

**Base material: Stainless steel**

**Result: Final surface finish**

### 1. Weld Removal
- 2803 siacut
  - Zirconia Belt
  - Grit: #80
  - Tube Belt sander
  - 3000 rpm

### 2. Surface Refinement
- 6270 siamet SCM LS
  - SCM Belt
  - Grit: Medium
  - Tube Belt sander
  - 3000 rpm

### 3. Final Finishing**

- Up to 40% quicker
  - Compared to traditional 4-step approach.

**Up to -10% process costs**

- Compared with average traditional process steps.

---

**Your Key to a Perfect Surface**

[www.sia-abrasives.com](http://www.sia-abrasives.com)