## Technical data sheet

### 7940 siaair

**MKP person responsible:** Damian Bilgeri  
**Serie-Verantwortlicher:** Building Interior: Damian Bilgeri  
Automotive: Damian Bilgeri  
Aerospace: Damian Bilgeri  
**Status:** Ok  
**Approval:** 17.01.2020

### Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Public series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product type:</td>
<td>Coated abrasives</td>
</tr>
</tbody>
</table>
| Main industries: | Automotive  
Aerospace  
Building Interior |
| Further industries: | Trucks  
Rail  
Marine  
Bus  
Wind Power  
Kitchens  
Sports Equipment |

### Product profile

| Grit type: | Aluminium oxide |
| Grit range (total): | 240; 360; 500-1000; 1500-2000; 3000-4000 |
| Backing: | Knitted fabric with foam backing |
| Coating: | Special process |
| bonding: | Resin over resin |
| Special coating: |  |
| Equipment: |  |

### Properties | Technology

<table>
<thead>
<tr>
<th>Cut:</th>
<th>8 - high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifetime:</td>
<td>8 - long</td>
</tr>
<tr>
<td>Finishing:</td>
<td>8 - good</td>
</tr>
<tr>
<td>Flexibility:</td>
<td>10 - highly flexible</td>
</tr>
<tr>
<td>Contact pressure:</td>
<td></td>
</tr>
</tbody>
</table>

### Advantages

**Building Interior:**
- Waterproof and washable
- Extremely long lifetime
- Low scratch depth
- Low clogging
- Can be used many times
- Absorbs water
- Permeable to air and water
- Pressure-equalising foam gives perfect surface finish
### Advantages

#### Automotive:
- High stock removal rates and excellent finish
- Low clogging in damp and dry sanding applications
- Highly adaptable to contours, curves and profiles
- Pressure-equalising foam gives perfect surface finish
- Waterproof and washable
- Resistant to silicon remover

#### Aerospace:
- High stock removal rates and excellent finish
- Low clogging thanks to damp sanding
- Extremely long lifetime
- Highly adaptable to contours, curves and profiles
- Pressure-equalising foam gives perfect surface finish
- Waterproof and washable
- Resistant to silicon remover

### Applications

#### Building Interior:
- Matt finishing of conventional old and new varnishes as well as composite materials
- Fine sanding primer filler in hard-to-reach areas
- Preparation for polishing on high-gloss surfaces

#### Automotive:
- Matt finishing of conventional old and new varnishes as well as composite materials
- Fine sanding primer filler in hard-to-reach areas
- Preparation for polishing on high-gloss surfaces
- Producing a matt finish for blending

#### Aerospace:
- Matt finishing of scratch-resistant coating systems as well as composite materials
- Fine sanding primer filler in hard-to-reach areas
- Preparation for polishing on high-gloss surfaces
- Producing a matt finish for blending

### Material

<table>
<thead>
<tr>
<th>Building Interior:</th>
<th>Lacquers</th>
<th>Mineral materials</th>
<th>Paints</th>
<th>Plastics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>○ Composite</td>
<td>● Lacquer</td>
<td>● Solid surface material</td>
<td>● Colour</td>
</tr>
<tr>
<td>Automotive:</td>
<td>Composites</td>
<td>Gelcoats</td>
<td>Lacquers</td>
<td>Lacquers</td>
</tr>
<tr>
<td></td>
<td>○ Composite</td>
<td>● Gelcoat polyester</td>
<td>● Lacquer</td>
<td>● Old lacquer</td>
</tr>
<tr>
<td>Aerospace:</td>
<td>Acrylic glass (Plexiglass)</td>
<td>Composites</td>
<td>Gelcoats</td>
<td>Lacquers</td>
</tr>
<tr>
<td></td>
<td>Colour</td>
<td>Old paint</td>
<td>Acrylic glass (Plexiglass)</td>
<td>Composite</td>
</tr>
</tbody>
</table>
### Conversion forms

<table>
<thead>
<tr>
<th>Rolls</th>
<th>- jumbolino</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strip</td>
<td>- siafast strips</td>
</tr>
<tr>
<td>Discs</td>
<td>- siafast discs</td>
</tr>
</tbody>
</table>

### Application

<table>
<thead>
<tr>
<th>Superordinate group</th>
<th>Subgroup</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Portable machine sanding</strong></td>
<td>random orbital sander</td>
</tr>
<tr>
<td>Manual sanding</td>
<td>Manual sanding</td>
</tr>
</tbody>
</table>

| Cut: | Wet sanding Dry application |

### Details

No suitability for:
- Glass sanding
- Ceramic lacquers
- Stone grinding

Sanding recommendation:
- Best results are obtained by damp grinding

Safety recommendation:
- 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:** A perfect finish for varnishes and mineral materials

**Copy:** Whether it's scuffing, fine sanding or preparation for polishing – the improved technology of 7940 siaair is the key to a perfect finish in damp and dry sanding applications.

**Image material:**
- Product Top View (PTV) Front side: ID
- Reverse side: ID
- Building Interior: ID 8357
- Automotive: ID 147
- Aerospace: ID 9271
- Product show: ID 5006
- Macro shot: ID 5109
- Packaging image: ID 5109
- Product group image: ID 1693