

# Technical data sheet

1944 siaone



|           |            |
|-----------|------------|
| Status:   | Ok         |
| Approval: | 05.01.2022 |

| Classification      | Public series                                 |
|---------------------|---|
| Product type:       | Coated abrasives                              |
| Main industries:    | Automotive<br>Aerospace<br>Building Interior  |
| Further industries: | Trucks<br>Rail<br>Marine<br>Bus<br>Wind Power |

| Product profile     |  |                               |
|---------------------|--|-------------------------------|
| Grit type:          | Aluminium oxide  | P040 – P500                   |
| Grit range (total): | 40; 60-240; 320; 400-500                                 | P040 – P500 FEPA P / ISO 6344 |
| Backing:            | c-wt paper (FSC-certified)<br>b-wt paper (FSC-certified) | P040 – P100<br>P120 – P500    |
| Coating:            | Electrostatic  |                               |
| Bonding:            | Resin over resin   |                               |
| Special coating:    | Stearate   | P220 – P500                   |
| Equipment:          |  |                               |

| Properties        |              | Technology |
|-------------------|--------------|------------|
| Removal rate:     | 8 - high     | - siafast  |
| Lifetime:         | 7 - long     |            |
| Finishing:        | 7 - good     |            |
| Flexibility:      | 7 - flexible |            |
| Contact pressure: |              |            |

| Advantages         |  |
|--------------------|--|
| Building Interior: | <ul style="list-style-type: none"> <li>- Aggressive initial sanding thanks to optimised sanding grain</li> <li>- Process stability thanks to uniform scratch depths in all grits</li> <li>- Excellent price/performance ratio</li> </ul> |
| Automotive:        | <ul style="list-style-type: none"> <li>- Aggressive initial sanding thanks to optimised sanding grain</li> <li>- Process stability thanks to uniform scratch depths in all grits</li> <li>- Excellent price/performance ratio</li> </ul> |
| Aerospace:         | <ul style="list-style-type: none"> <li>- Aggressive initial sanding thanks to optimised sanding grain</li> <li>- Process stability thanks to uniform scratch depths in all grits</li> <li>- Excellent price/performance ratio</li> </ul> |


## Applications


|                    |  |
|--------------------|--|
| Building Interior: | <ul style="list-style-type: none"> <li>- Sanding off rusted parts</li> <li>- Sanding off old varnish, paints and stains</li> <li>- Sanding off old paint and varnish</li> <li>- Sanding off raised wooden fibres</li> <li>- Sanding floorboards</li> <li>- Sanding wooden terraces and pool surrounds</li> <li>- Sanding off brittle or poorly adhesive paints</li> <li>- Keying or sanding surfaces</li> <li>- Keying smoothed surfaces</li> <li>- Keying surfaces for better paint adhesion</li> <li>- Fine sanding of surfaces</li> <li>- Flatting uneven areas</li> <li>- Flatting lightweight construction walls</li> <li>- Structuring wooden beams</li> </ul> |
| Automotive:        | <ul style="list-style-type: none"> <li>- Sanding of coatings and impurities</li> <li>- Sanding out unevenness at the edges of repaired surfaces</li> <li>- Flatting of bodyfiller and primer filler</li> <li>- Fine sanding of primer filler</li> <li>- Keying of old and new lacquers</li> </ul>  |
| Aerospace:         | <ul style="list-style-type: none"> <li>- Sanding of coatings and impurities</li> <li>- Keying of primers</li> <li>- Flatting of bodyfiller and primer filler</li> <li>- Fine sanding of primer filler</li> <li>- Keying of old and new lacquers</li> </ul>   |

## Material

|                    |   |
|--------------------|---|
| Building Interior: | <ul style="list-style-type: none"> <li>○ Plastics</li> <li>● Bodyfiller</li> <li>○ Dry wall lining boards</li> <li>● Water-based lacquer</li> <li>● Solid surface material</li> <li>○ Mineral fibreboard</li> <li>● Old lacquer</li> <li>● Old paint</li> <li>○ Plaster</li> <li>● Primer filler</li> <li>● Primer coat</li> <li>● Soft wood</li> <li>● Hard wood</li> <li>● Resinous wood</li> </ul> |
|--------------------|---|

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

| <b>Conversion forms</b>   | Upper conversion | Lower conversion |
|---|------------------|------------------|
|  | Discs            | - siafast discs  |

| <b>Application</b>  | Superordinate group      | Subgroup              |
|---|--------------------------|-----------------------|
|  | Portable machine sanding | random orbital sander |
| Cut:  | Dry application          |                       |

| <b>Details</b>          |  |
|-------------------------|--|
| No suitability for:     | - glass sanding<br>- Wet sanding<br>- Stone grinding |
| Sanding recommendation: |  |

## Details

|                        |   |
|------------------------|---|
| Safety recommendation: | <p>Observe the current valid safety recommendations at: <a href="http://www.sia-abrasives.com">www.sia-abrasives.com</a> &gt; Expertise &gt; Safety</p> <ul style="list-style-type: none"> <li>- Pay attention to the abrasives safety data sheet (available from sia Abrasives)</li> <li>- Follow the general FEPA safety recommendations</li> <li>- Use an effective dust extraction unit or wear a fine dust mask</li> </ul> |
|------------------------|---|

## Communication

|                 |  |                    |         |
|-----------------|--|--------------------|---------|
| Claim:          | the one with cut   |                    |         |
| Copy:           | The quality with aggressive cut and optimum lifetime. For price-conscious users for working with various materials, for example: bodyfiller, primer filler, varnish, paint and wood. |                    |         |
| Image material: | Product Top View (PTV)   | Front side:        | ID      |
|                 |  | Rear side:         | ID      |
|                 | Application image  | Building Interior: | ID 401  |
|                 |  | Automotive:        | ID 8855 |
|                 |  | Aerospace:         | ID 6394 |
|                 | Product show:  |                    |         |
|                 | Macro shot:  |                    |         |
|                 | Packaging image:   |                    |         |
|                 | Product group image:   |                    | ID 9030 |

- Main application
- Secondary application