

# Technical data sheet

1550 siapower



|           |            |
|-----------|------------|
| Status:   | Ok         |
| Approval: | 06.08.2025 |

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

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

| Properties        |               | Technology                   |
|-------------------|---------------|------------------------------|
| Removal rate:     | 9 - very high | - S Performance<br>- siafast |
| Lifetime:         | 9 - very long |                              |
| Finishing:        | 7 - good      |                              |
| Flexibility:      | 7 - flexible  |                              |
| Contact pressure: |               |                              |

| Advantages  |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Automotive: | <ul style="list-style-type: none"> <li>- Greater efficiency thanks to application-optimised process steps</li> <li>- Highest stock removal rate</li> <li>- Performance-enhancing grit mix with ceramic aluminium oxide in the 40–220 grit range</li> <li>- Minimal clogging characteristics for lacquer sanding grit range 400-600</li> <li>- Sustainable FSC paper for the abrasive backing</li> </ul> |

## Advantages

|            |                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aerospace: | <ul style="list-style-type: none"> <li>- Greater efficiency thanks to application-optimised process steps</li> <li>- Highest stock removal rate</li> <li>- Performance-enhancing grit mix with ceramic aluminium oxide in the 40–220 grit range</li> <li>- Minimal clogging characteristics for lacquer sanding grit range 400-600</li> <li>- Sustainable FSC paper for the abrasive backing</li> </ul> |
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## Applications

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| 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 composite materials</li> <li>- Fine sanding of primer filler</li> <li>- Keying of old and new lacquers</li> <li>- Producing a matt finish on old and new lacquers for blending</li> </ul>                                                                                                                                                                              |
| Aerospace:  | <ul style="list-style-type: none"> <li>- Keying of polyesters and composites</li> <li>- Sanding out feather edges, flash rust and stone chips</li> <li>- Shaping of bodyfillers and primer fillers</li> <li>- Keying of new components and factory primers</li> <li>- Sanding of old lacquer</li> <li>- Producing a matt finish on old and new lacquers for blending</li> <li>- Flatting of bodyfiller and primer filler</li> <li>- Removal of orange peel effect and dust inclusions</li> <li>- Preparation for polishing on high-gloss surfaces</li> </ul> |

## Material

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

| Conversion forms                                                                    | Upper conversion | Lower conversion |
|-------------------------------------------------------------------------------------|------------------|------------------|
|    | Rolls            | - siafast rolls  |
|   | Strips           | - siafast strips |
|  | Discs            | - siafast discs  |

| Application                                                                         | Superordinate group      | Subgroup                        |
|-------------------------------------------------------------------------------------|--------------------------|---------------------------------|
|  | Portable machine sanding | random orbital sander           |
|  | Portable machine sanding | Orbital sanders                 |
|  | Manual sanding           | Hand sanding with sanding block |
| Cut:                                                                                | Dry application          |                                 |

| Details                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No suitability for:     | <ul style="list-style-type: none"> <li>- glass sanding</li> <li>- Wet sanding</li> <li>- Stone grinding</li> </ul>                                                                                                                                                                                                                                                                                                                                                     |
| Sanding recommendation: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 eye and face protection</li> <li>- Use an effective dust extraction unit or wear a fine dust mask</li> </ul> |



| Communication   |                                                                                                                                                                                                                                                                                                |             |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| Claim:          | Boost your efficiency                                                                                                                                                                                                                                                                          |             |           |
| Copy:           | 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. |             |           |
| Image material: | Product Top View (PTV)                                                                                                                                                                                                                                                                         | Front side: | ID        |
|                 |                                                                                                                                                                                                                                                                                                | Rear side:  | ID        |
|                 | Application image                                                                                                                                                                                                                                                                              | Automotive: | ID 117261 |
|                 |                                                                                                                                                                                                                                                                                                | Aerospace:  | ID 117262 |
|                 | Product show:                                                                                                                                                                                                                                                                                  |             |           |
|                 | Macro shot:                                                                                                                                                                                                                                                                                    |             |           |
|                 | Packaging image:                                                                                                                                                                                                                                                                               |             |           |
|                 | Product group image:                                                                                                                                                                                                                                                                           |             | ID 117270 |

- Main application
- Secondary application