

# Technical data sheet

5230 microtec



|           |            |
|-----------|------------|
| Status:   | Ok         |
| Approval: | 01.02.2023 |

| Classification      | Public series  |
|---------------------|--|
| Product type:       | Coated abrasives   |
| Main industries:    | General Fabrication  |
| Further industries: | Watches and Jewellery<br>Surgery<br>Rollers and Cylinders<br>Motors and Drives<br>Fibre Optics |




| Product profile     |                  |
|---------------------|------------------|
| Grit type:          | Diamond          |
| Grit range (total): | Micron           |
| Backing:            | Polyester film   |
| Coating:            | Elutriated       |
| Bonding:            | Resin over resin |
| Special coating:    |                  |
| Equipment:          |                  |







| Properties        | Technology          |
|-------------------|---------------------|
| Removal rate:     | 6 - Medium          |
| Lifetime:         | 10 - very long      |
| Finishing:        | 10 - very good      |
| Flexibility:      | 9 - highly flexible |
| Contact pressure: | 3 - little          |
|                   | - microtec          |

| Advantages           |  |
|----------------------|--|
| General Fabrication: | <ul style="list-style-type: none"><li>- Improved optical performance</li><li>- Maximum light transmission in the termination</li><li>- High-gloss polished surface finish</li><li>- For clearly defined standard scratch depth values</li><li>- Maximum useful life</li><li>- Even cross sanding</li></ul> |

| Applications         |   |
|----------------------|---|
| General Fabrication: | <ul style="list-style-type: none"><li>- Finishing of ceramic/fibreglass terminations (fibre optics)</li><li>- Finishing of hardened steel rollers</li><li>- Finishing of watch cases and bracelets</li><li>- Finishing of test objects (metallurgy)</li></ul> |

| Material             |  |
|----------------------|--|
| General Fabrication: |  |

| <b>Conversion forms</b>   | Upper conversion | Lower conversion      |
|---|------------------|-----------------------|
|  | Rolls            | - Abrasive film rolls |
|  | Sheet            | - Standard sheets     |
|  | Discs            | - Various discs       |

| <b>Application</b>  | Superordinate group          | Subgroup                         |
|---|------------------------------|----------------------------------|
|    | Manual sanding               | Hand sanding for edges           |
|    | Stationary belt sanding      | Centreless belt sanding          |
|    | Stationary machine sanding   | belt finisher                    |
|    | Stationary machine sanding   | Fibre optic polisher             |
|   | Stationary machine sanding   | Disc sanding and lapping machine |
|  | Stationary machine sanding   | Stationary disc sanding          |
| Cut:  | Wet sanding, Dry application |                                  |

| <b>Details</b>          |  |
|-------------------------|--|
| No suitability for:     |  |
| 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> |

| <b>Communication</b> |   |
|----------------------|---|
| Claim:               | For a consistent finish with hardened steel rolls as well as plasma ceramic and tungsten carbide rolls  |
| Copy:                | The elutriated 5230 microtec series is ideal for finishing hardened steel rolls as well as coated rolls (plasma ceramic / tungsten carbide). 5230 microtec also provides consistent and reproducible surface quality during the treatment of ceramic ferrules with fibre glass cores. |



| Communication   |                        |                      |         |
|-----------------|------------------------|----------------------|---------|
| Image material: | Product Top View (PTV) | Front side:          | ID      |
|                 |                        | Rear side:           | ID      |
|                 | Application image      | General Fabrication: | ID 533  |
|                 | Product show:          |                      |         |
|                 | Macro shot:            |                      |         |
|                 | Packaging image:       |                      |         |
|                 | Product group image:   |                      | ID 7637 |

- Main application
- Secondary application