

# Technical data sheet

6120 siafleece



|           |            |
|-----------|------------|
| Status:   | Ok         |
| Approval: | 15.12.2025 |

| Classification      | Public series                                                       |
|---------------------|---------------------------------------------------------------------|
| Product type:       | Non woven abrasives                                                 |
| Main industries:    | General Fabrication<br>Building Interior<br>Automotive<br>Aerospace |
| Further industries: |                                                                     |

| Product profile     |                                    |
|---------------------|------------------------------------|
| Grit type:          | Aluminium oxide<br>Silicon carbide |
| Grit range (total): |                                    |
| Backing:            | Nonwoven                           |
| Coating:            | Mechanical                         |
| Bonding:            | Resin over resin                   |
| Special coating:    |                                    |
| Equipment:          |                                    |

| Properties        |                      | Technology |
|-------------------|----------------------|------------|
| Removal rate:     | 6 - Medium           | - siafast  |
| Lifetime:         | 8 - long             |            |
| Finishing:        | 7 - good             |            |
| Flexibility:      | 10 - highly flexible |            |
| Contact pressure: | 3 - little           |            |

| Advantages           |                                                                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Fabrication: | <ul style="list-style-type: none"><li>- Highly flexible and adaptable to contours</li><li>- For manual or portable machine sanding</li><li>- Low clogging</li><li>- Suitable for general use in dry and wet sanding applications</li></ul>                                                                 |
| Building Interior:   | <ul style="list-style-type: none"><li>- Highly flexible and adaptable to contours</li><li>- 3-dimensional grit penetration</li><li>- Low clogging</li><li>- Alkali- and solvent-resistant</li><li>- Very long lifetime</li><li>- Very low flammability and thus a safe alternative to steel wool</li></ul> |
| Aerospace:           | <ul style="list-style-type: none"><li>- Low clogging</li><li>- Consistent sanding pattern and long lifetime thanks to even grit distribution and penetration</li><li>- Can be folded and cut to any desired format</li></ul>                                                                               |

## Applications

|                      |                                                                                                                                                                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Fabrication: | <ul style="list-style-type: none"> <li>- Removal of rust</li> <li>- Removal of discolouration</li> <li>- Structuring and finishing</li> </ul>                                                                                                                                                               |
| Building Interior:   | <ul style="list-style-type: none"> <li>- Keying of wood, composite materials, paint, lacquers and primer filler</li> <li>- Sanding off raised wooden fibres</li> <li>- Keying surfaces for better paint adhesion</li> <li>- Fine sanding of surfaces</li> <li>- Scuffing solid surface materials</li> </ul> |
| Aerospace:           | <ul style="list-style-type: none"> <li>- Keying of lass fibre reinforced plastics (GRP)</li> <li>- Keying of old and new lacquers as well as composite materials</li> <li>- Cleaning of welds</li> <li>- Intermediate sanding of curves and profiles</li> <li>- Refining of grind lines</li> </ul>          |

## Material

|                      |                                                                   |                                                                                                                                                                                                        |
|----------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Fabrication: | Non-ferrous metals<br>Stainless steel<br>Steel                    | Non-ferrous metal<br>High-alloy steels<br>Unalloyed / low-alloy steel                                                                                                                                  |
| Building Interior:   | Lacquers<br>Wood<br>Wood                                          | <ul style="list-style-type: none"> <li>○ Lacquer</li> <li>● Hard wood</li> <li>● Soft wood</li> </ul>                                                                                                  |
| Aerospace:           | Composites<br>Composites<br>Non-ferrous metals<br>Stainless steel | <ul style="list-style-type: none"> <li>○ Unalloyed / low-alloy steel</li> <li>● Glass-fibre reinforced plastic (GRP)</li> <li>● Composite</li> <li>● Aluminium</li> <li>○ High-alloy steels</li> </ul> |

## Conversion forms

|                                                                                     | Upper conversion   | Lower conversion                                                                                                |
|-------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------|
|  | Rolls              | <ul style="list-style-type: none"> <li>- Cloth rolls</li> <li>- Jumbolino</li> <li>- siafleece rolls</li> </ul> |
|  | Sheet              | <ul style="list-style-type: none"> <li>- Half sheets</li> <li>- Standard sheets</li> </ul>                      |
|  | Strips             | <ul style="list-style-type: none"> <li>- siafleece strips</li> </ul>                                            |
|  | Foam abrasives     | <ul style="list-style-type: none"> <li>- Discs</li> </ul>                                                       |
|  | Delta and polygons | <ul style="list-style-type: none"> <li>- Delta and polygons</li> </ul>                                          |
|  | Discs              | <ul style="list-style-type: none"> <li>- siafleece discs</li> </ul>                                             |

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| Conversion forms                                                                  | Upper conversion  | Lower conversion                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Flap wheel        | <ul style="list-style-type: none"> <li>- Flap rollers cloth and nonwoven</li> <li>- Flap rollers nonwoven</li> <li>- Flap wheel with shaft cloth</li> <li>- Flap wheel with shaft cloth and nonwoven</li> <li>- Flap wheel with shaft nonwoven</li> </ul> |
|  | Belts             | <ul style="list-style-type: none"> <li>- scm belts</li> </ul>                                                                                                                                                                                             |
|  | System components | <ul style="list-style-type: none"> <li>- siastar profiles</li> </ul>                                                                                                                                                                                      |

| Application | Superordinate group | Subgroup |
|-------------|---------------------|----------|
| Cut:        |                     |          |

| Details                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |

| Communication   |                                                                                                                                                                                                                |                      |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|
| Claim:          | For even surface finishes in manual and portable machine sanding                                                                                                                                               |                      |           |
| Copy:           | 6120 siafleece can be used for dry and wet sanding and impresses due to its high conformability, consistent performance over the entire lifetime, low tendency to clog, and consistently high surface quality. |                      |           |
| Image material: | Product Top View (PTV)                                                                                                                                                                                         | Front side:          | ID 4884   |
|                 |                                                                                                                                                                                                                | Rear side:           | ID 4884   |
|                 | Application image                                                                                                                                                                                              | General Fabrication: | ID 557    |
|                 |                                                                                                                                                                                                                | Building Interior:   | ID 115555 |
|                 |                                                                                                                                                                                                                | Aerospace:           | ID 6387   |
|                 | Product show:                                                                                                                                                                                                  |                      |           |
|                 | Macro shot:                                                                                                                                                                                                    |                      |           |
|                 | Packaging image:                                                                                                                                                                                               |                      |           |
|                 | Product group image:                                                                                                                                                                                           |                      | ID 1684   |

- Main application
- Secondary application