

Wiking® Super B – Chopped Fibre

Wiking® Super B – Chopped Fibre consists of short basalt fibres developed to prevent plastic shrinkage cracking in concrete and to improve the strength of cement-based materials. The fibres are made from 100% natural basalt, melted at approx. 1600 °C and extruded into fine filaments, which are then cut into short lengths.

Basalt fibres are corrosion-free, chemical-resistant, and have thermal stability that makes them ideal for demanding environments.

Benefits and Properties

- Prevents cracking and improves concrete durability
- High tensile strength and modulus of elasticity
- Thermal stability from -250 °C to +850 °C
- Non-flameable
- Chemical-resistant and environmentally friendly

Specifications – Wiking® Super B – Chopped Fibre

Material:	Basalt fiber
Fibre length:	3–50 mm (±1.5 µm)
Diameter:	9–22 µm (±1.5 µm)
Tensile strength (fiber):	approx. 3500 MPa*
Modulus of elasticity:	≤ 80 GPa
Thermal range:	-250 °C to +850 °C
Water absorption:	≤ 0.2 %
Chemical resistance:	High

*Typical value for basalt fiber. Actual performance depends on application and matrix.

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General Applications

- Concrete and mortar
- Industrial floors and foundations
- Cement-based mixes
- Precast concrete elements
- Road construction and erosion protection

Specifications – Wiking® Super B – Chopped Fibre

Wiking® Super B – Chopped Fibre is manufactured from continuous basalt fibres, cut into short segments to ensure optimal distribution in concrete and mortar. The fibres are physically and chemically stable and do not affect the appearance or durability of concrete.

The high thermal resistance makes the fibres suitable for environments with extreme temperatures, while their natural corrosion resistance eliminates the need for coating and protects against aggressive chemicals.

Properties of Wiking® Super B – Chopped Fibre

- Corrosion-free
- Low water absorption
- High chemical resistance
- Environmentally friendly and natural basalt fibre

Delivery Program

Wiking® Super B – Chopped Fibre is supplied in bags (25 kg) with standard fiber lengths from 3–50 mm. Other fiber lengths can be supplied upon request. Minimum order quantity is agreed individually.

Scope of Warranty

Wiking® Super B – Chopped Fibre is produced in an ISO 9001:2015 certified facility and meets applicable quality standards. The product has been tested for thermal stability, chemical resistance, and mechanical strength.

Danish Fibres strives for high quality but does not have control over all stages of the value chain. We therefore accept no responsibility for third-party production, customer processing, application, or the final result where our materials are used. All data is for guidance only, and the customer is responsible for assessing suitability for the intended purpose.

Health and Safety

Please read the specific Safety Data Sheet or contact Danish Fibres' technical team.

Technical Support

Danish Fibres' technical department is available for advice on correct product usage.

It is always the user's responsibility to ensure the correct selection and application of Danish Fibres' products. This includes, but is not limited to, product selection, mixing, placement, design, manufacturing, and testing of materials in which the products are incorporated.

Danish Fibres provides general, non-binding information only, and has no control over third-party production, customer processing, application, or the final outcome where our materials are used. We therefore accept no responsibility for end products or for how our materials are used in practice.

Any losses or damages – direct or indirect – arising from incorrect use of information or products are the sole responsibility of the user. For further details, please refer to Danish Fibres' general terms and conditions of sale and delivery.