

Wiking® Super B – Makrofibre

Wiking® Super-B Macro Fibre Integral 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 to the required lengths.

Benefits and Properties

- Prevents cracking and improves concrete durability
- High tensile strength and modulus of elasticity
- Thermal stability up to +700 °C
- Non-flammable
- Chemical-resistant and environmentally friendly

General Applications

- Industrial floors
- Precast concrete elements
- Oil & gas industry concrete
- Shotcrete applications
- Architectural concrete / concrete furniture

Technical Description

Wiking® Super-B Macro Fibre Integral is manufactured from continuous basalt fibres, bound with epoxy or polymers and sand-coated for optimal adhesion to concrete. The fibres are designed to withstand high mechanical loads and thermal influences without deformation.

The tensile strength exceeds that of conventional reinforcement materials, while the weight is approximately three times lower. This reduces overall material quantity and makes handling and installation easier.

The thermal resistance spans from -260 °C to +700 °C, making the product suitable for both cold and hot environments. Basalt fibres are non-combustible, enhancing safety in constructions, and the low water absorption ensures stability under humid conditions.

Wiking® Super-B Macro Fibre Integral is an environmentally friendly alternative to synthetic or steel fibres, as production requires significantly less energy and eliminates the need for corrosion protection. This contributes to a lower CO₂ footprint and a more sustainable construction process.

Delivery Program

Wiking® Super-B Macro Fibre Integral is supplied in boxes of 6-20 kg depending on fibre length, or on pallets of 320-800 kg, also depending on fibre length. Minimum order quantity is agreed individually.

Scope of Warranty

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

Specifications – Wiking® Super B – Macro Fibre Integral

Material:	Basalt
Fibre length:	4–48 mm
Fibre diameter:	13 ± 1 µm
Tensile strength:	2670 * ± 5 % *Fineness of 100 tex
Thermal range:	-260 °C to +700 °C
Water absorption:	<0.1 %
Chemical resistance:	High

2026.06.22



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.