Wiking® Super B – GeoGrid

Wiking® Super B – Geogrid is a basalt fibre-based geogrid designed to reinforce asphalt, concrete, and soil structures. The product is made from 100% natural crushed basalt, melted at approx. 1600 °C and woven into a strong, stable grid with high tensile strength.

Wiking® Super B – Geogrid ensures effective load distribution, reduces cracking, and increases the service life of the structure. Its thermal stability and chemical resistance make it ideal for demanding environments.

Benefits and Properties

- High tensile strength in both longitudinal (warp) and transverse (weft) directions
- Thermal stability from –260 °C to +820 °C (with short-term resistance up to 982°C)
- Vibration-resistant and dimensionally stable
- Chemical-resistant and corrosion-free
- Natural and environmentally friendly

General Applications

- Erosion protection and soil stabilisation
- Reinforcement of asphalt and concrete pavements
- Airport and road surfaces
- Railway foundations
- Embankment structures

Specifications – Wiking® Super B – Geogrid

Wiking® Super B – Geogrid is a basalt fibre-based geogrid produced by melting natural basalt at approx. 1600 °C and subsequently weaving it into a strong and stable grid. Basalt fibres are physically and chemically stable, corrosion-free, and highly resistant to aggressive environments. The grid is constructed with locked interweaving, ensuring dimensional stability and resistance to vibrations.

Wiking® Super B – Geogrid is designed to withstand mechanical loads and thermal influences without deformation. The high tensile strength in both warp and weft directions makes the product ideal for reinforcing asphalt, concrete, and soil structures where long service life and structural integrity are essential.

The thermal resistance from –260 °C to +820 °C makes Wiking® Super B – Geogrid suitable for use in extreme climatic conditions, while its natural chemical resistance protects against degradation from aggressive substances in soil and water. Basalt fibres are non-combustible, enhancing safety in constructions, and the low water absorption ensures stability under humid conditions.

Properties of Wiking® Super B – Geogrid

- Corrosion-free
- High chemical resistance
- Low water absorption
- Environmentally friendly

Delivery Programme

Wiking® Super B – Geogrid is supplied in rolls with a width of 1 – 5,4 m and a standard roll length of 50 m. Roll area: 50–270 m^2 per roll depending on roll width.

Scope of Warranty

Wiking® Super B – Geogrid 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 – Geogrid

	Value 30	Value 45	Value 50	Value 100
Material	Basalt fibre with coating	Basalt fibre with coating	Basalt fibre with coating	Basalt fibre with coating
Weight per g/m²	120 g/m²	175 g/m²	210 g/m²	400 g/m²
Mesh size (+2%), mm	25 x 25	25 x 25	25 x 25	25 x 25
Tensile strength	Warp / Weft: 30/30 kN/m	Warp / Weft: 45/45 kN/m	Warp / Weft: 50/50 kN/m	Warp / Weft: 100/100 kN/m
Roll width (+2%), m	1 to 5.4 m	1 to 5.4 m	1 to 5.4 m	1 to 5.4 m
Thermal range	–260 °C to +820 °C	–260 °C to +820 °C	–260 °C to +820 °C	–260 °C to +820 °C
Chemical resistance	High	High	High	High

2026.06.24

Danish Fibres

Snedkervej 3 · DK-6800 Varde · Denmark
+45 88 38 98 90 · info@danishfibres.dk
www.danishfibres.dk