

E'GRID® FG

Glass Fibre Geogrid for Asphalt Reinforcement



- High tensile strength
- Low elongation
- No long-term creep
- Good compatibility with asphalt
- Good thermal stability
- Consistent chemical properties
- Physical durability

E'GRID® FG range of grids are primarily used in re-paving of existing asphalt to extend the life expectancy of the new overlay. The function of E'GRID FG is to reduce the risk of existing cracks in the underlying asphalt passing through to the new top overlay and developing reflective cracking.

E'GRID FG are glass fibre geogrids covered with a layer of asphalt based protective coating. These geogrids have the required tensile strength and elongation properties to work with asphalt. This means that in a re-topping application the properties of the reinforcement as well as the asphalt can be utilised optimally to prevent the development of reflective cracking.

Technical		FG 50/50	FG 50/100	FG 50/150	FG 100/100	FG 100/200
Tensile Strength (kN/m)	ASTM D 6637-01 (1, 2)	50 x 50	50 x 100	50 x 150	100 x 100	100 x 200
Elongation at Break (%)	ASTM D 6637-01 (1, 2)	< 4	< 4	< 4	< 4	< 4
Unit Weight (g/m ²)		310	420	550	510	680
Grid Size (mm)		25.4 x 25.4 or 12.7 x 12.7				
Melting Temperature (°C)		> 218				
Roll Width (m)		2.0	1.0	1.0	2.0	2.0
Roll Length (m)		100	80	60	60	50
Note1: Calculated as the lower 95% confidence limit						
Note 2: Similar results may be obtained from testing in accordance with ISO 10319						
The above specifications are for the standard product range. Other products with strengths up to 200 kN/m and widths up to 4m can be manufactured to order.						

Disclaimer

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate.

While every effort has been made to provide accurate and reliable information, it is up to the user of this brochure to verify all information, including designs it might be based upon, with an independent source. Application of this data must be made on the basis of responsible professional judgement.

Except when agreed to in working conditions of use, no warranty expressed or implied is made regarding the performance of any product, since the manner of use and handling is beyond our control.