

GeofanGrid FG Geogrid

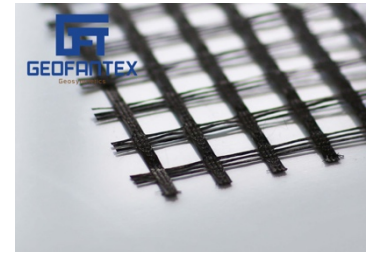
Technical Data Sheet

FG Geogrid June 2019

GeofanGrid FG is a biaxial geogrid made from fibre glass filaments, encased by a polymeric protective coating. This results in a high modulus of elasticity at low elongation that can offer a large increase in the effective service life of a road pavement structure.

The material characteristics of the high tensile glass filaments offer the following unique properties:

- Ultra-low elongation of 3% maximum
- Superior resistance to high temperatures
- High resilience to chemical degradation



Applications - pavement reinforcement designed to reinforce asphaltic concrete overlays, reduction of reflective cracking and applications in variable pH groundwater environments.

FG Geogrid have equal tensile strength in both directions and has ultimate tensile strengths ranging from 25kN/m up to 200kN/m.

Physical Properties

Item	Unit	Specification					
		FG 25-25	FG 50-50	FG 65-65	FG 80-80	FG 100-100	FG 200-200
Tensile Strength	MD	25	50	65	80	100	200
	kN/m						
[ASTM D6637]	CD	25	50	65	80	100	200
Elongation Ratio	%	≤3					
Aperture size	mm	25.4x25.4					
Width	m	3.95					
Approx Load Q'ty per 40'HC	m ²	96000	60000	50000	45000	38000	18000

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. Geofantex Geosynthetics keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, Geofantex Geosynthetics does not warrant its accuracy or completeness. The only warranty made by Geofantex Geosynthetics for its products is set forth in our Product Test Report accompanies on shipment of the products, or such other written warranty as may be agreed by Geofantex Geosynthetics and customer. Geofantex Geosynthetics specifically disclaims all other warranties, expressed or implied, including without agreed by Geofantex geosynthetics and customer. Geofantex Geosynthetics specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.



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