

# GeofanGrid FGS Range

## Technical Data Sheet

GeofanGrid FGS Jan. 2018

GeofanGrid FGS 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.

GeofanGrid FGS range has equal tensile strength in both directions and has ultimate tensile strengths ranging from 25kN/m up to 200kN/m.

## Physical Properties

Item	Unit	Specification					
		FGS 35-20	FGS 60-30	FGS 80-30	FGS 110-30	FGS 150-30	FGS 200-30
Tensile Strength	MD (kN/m)	35	60	80	110	150	200
[ASTM D6637]	CMD	20	30	30	30	30	30
Elongation Ratio	(%)	≤3					
Aperture size	(mm)	25.4x25.4					
Width	(m)	3.95					
Approx Load Q'ty per 40'HC	(m <sup>2</sup> )	96000	60000	50000	45000	38000	28000

*Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GFT 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, GFT does not warrant its accuracy or completeness. The only warranty made by GFT for its products is set forth in our Product Test Report accompanies ou shipment of the products, or such other written warranty as may be agreed by GFT and customer. GFT specifically disclaims all other warranties, epress or implied, including without agreed by GFT and customer. GFT specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or rising from provision of samples, a course of dealing or usage of trade.*



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