

# GeofanGrid WP Range

## Technical Data Sheet

GeofanGrid WP Jan. 2018

Typically used in basal reinforcement applications, the WP geogrid is used to absorb lateral forces that would be exerted upon the sub grade from traffic loading stress. GeofanGrid WP is a biaxial geogrid manufactured from high tenacity PET yarns encased in a protective polymeric coating to protect the material from chemical attack in the case of extreme pH conditions. The high tenacity PET ensures maximum design life and excellent creep characteristics whilst the flexible nature of the material allows very fast and easy installation.

The load exerted by traffic is transferred to the geogrid by the interlocking action of the granular aggregate within the uniform apertures of the biaxial geogrid and the frictional resistance generated between the geogrid and sub base. GeofanGrid WP offers very low elongation of 10% at ultimate load capacity, but more importantly the reinforcement the product provides means an increased lifetime for an unpaved road structure by reducing rutting, and therefore reduction in maintenance costs for both the road and vehicles that will use it. For paved construction, the basal reinforcement provided by GeofanGrid WP will reduce the deformation at the formation layer and therefore negate this deformation from propagating to the road surface which can lead to pavement failure.

- Applications**
- sub-base reinforcement in pavements
  - basal reinforcement in unpaved & temporary roads
  - sub-grade stabilization
  - temporary site access roads
  - haul roads

## Physical Properties

PET Biaxial Geogrid ( GeofanGrid WP ) range has equal tensile strength in both directions and has ultimate tensile strengths ranging from 20kN/m up to 600kN/m. **OR COULD BE MANUFACTURED ACCORDING TO YOUR ENQUIRY**

Properties	Specification									
	WP	WP	WP	WP	WP	WP	WP	WP	WP	WP
ASTM D 6637	20-20	30-30	40-40	80-80	80-50	100-50	200-80	300-300	600-600	
Tensile Strength(kN/m)	MD	20	30	40	80	80	100	200	300	600
	CD	20	30	40	80	50	50	80	300	600
Elongation Ratio (%)	10									
Aperture size (mm)	25*25	25*25	25*25	25*25	25*25	25*25	25*25	25*25	25*25	25*25
Width (m)	1-6									

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 our shipment of the products, or such other written warranty as may be agreed by GFT and customer. GFT specifically disclaims all other warranty, express 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 arising from provision of samples, a course of dealing or usage of trade.



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