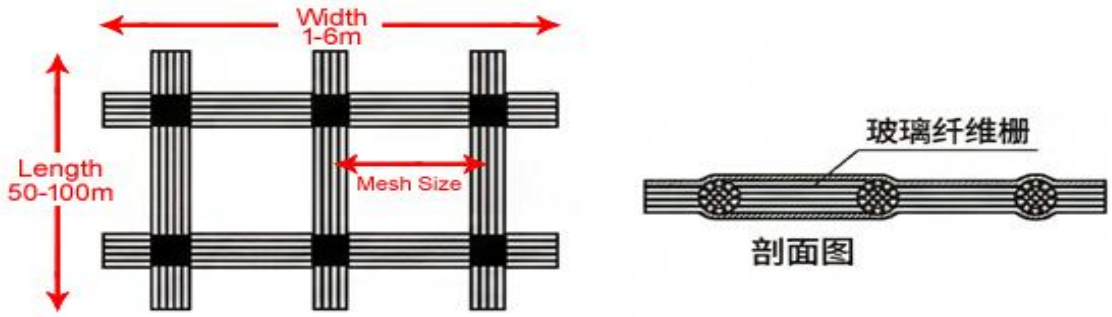
TECHNICAL DATA SHEET (TDS)
Product Series: Fiberglass Geogrid

Brand	Geoleed
Material	Fiberglass
Application	Asphalt pavement reinforcement / Cement pavement repair / Subgrade reinforcement

1. PRODUCT OVERVIEW

Fiberglass geogrid is a semi-rigid product made of high-alkali/medium-alkali/alkali-free (depending on requirements) fiberglass roving as the base material, woven into a geogrid fabric using a warp-knitted directional structure, and then treated with modified bitumen or a high-quality coating.

2. PHYSICAL PROPERTIES



	Tensile strength (KN)		Strain rate (%)		Mesh size（mm）	Gram weight (g)	Length (m)	Width (m)
	MD	CD	MD	CD				
50-50KN	50	50	3	3	25.4×25.4 12.7×12.7 33×33 38×38 50×50	250	50—100	1—6
80-80KN	80	80				400		
100-100KN	100	100				430		
120-120KN	120	120				530		
180-180KN	180	180				900		
200-200KN	200	200				950		

*3. MECHANICAL PROPERTIES (MARV)**

Performance indicators	Unit	Test standards (reference)	Specification requirements					
Longitudinal tensile strength	kN/m	ASTM D6637 / GB/T 17689	50	80	100	120	180	200
Transverse tensile strength	kN/m	ASTM D6637 / GB/T 17689	50	80	100	120	180	200
Longitudinal elongation	%	ASTM D6637	3	3	3	3	3	3
Transverse elongation	%	ASTM D6637	3	3	3	3	3	3
Fiber glass melting point	°C	ASTM D3385	> 800	> 800	> 800	> 800	> 800	> 800
Coating content	%	Burning method	20	20	20	20	20	20

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