

GRUNTEX 3D

Anti-erosion control

GRUNTEX 3D is a geotextile produced of high modulus synthetic yarns by warp knitting with further polyvinylchloride coating. The material is used for strengthening of slopes, embankments and shorelines, and as protection from



GRUNTEX 3D serves for:

1. Slope reinforcement
2. Landslide area
3. Strengthening of slopes of highways
4. Protective covering of dumps and terricores
5. Construction and reconstruction of hydraulic structures (bank protection)

GRUNTEX 3D is made to order with mesh size from 5 to 50 mm and has tensile strenght from 15 to 120 kN/m. Surface density of the material from 200 to 350 g/m². The width of geomat may be up to 4,7 m. Geomat **GRUNTEX 3D** is supplied in rolls. The length of the material in a roll is 50 m. At the time of order the lenght of the material may be changed.

For the optimisation and improvement process of the technical characteristics of the products, the manufacturer reserves the right to modify the standart characteristics of the product without any notice.

GRUNTEX 3D		30/15	35/20	40/15	60/15	90/15	120/15
Mechanical properties (typical values)							
Tensile strenght, kN/m (EN ISO 10319)	- MD	33 (-3)	40 (-5)	44 (-4)	66 (-6)	99 (-9)	130 (-10)
	- CMD	17 (-2)	22 (-2)	17 (-2)	17 (-2)	17 (-2)	17 (-2)
Strain at maximum strenght, % (EN ISO 10319)	- MD	12 (+2)	12 (+2)	12 (+2)	12 (+2)	12 (+2)	12 (+2)
	- CMD	20 (+2)	20 (+2)	20 (+2)	20 (+2)	20 (+2)	20 (+2)
Force at strain 2% (EN ISO 10319)	- MD	4 (-0)	4 (-0)	5 (-0)	8 (-0)	12 (-0)	16 (-0)
	- CMD	2 (-0)	2(-0)	2 (-0)	2 (-0)	2 (-0)	2 (-0)
Force at strain 3% (EN ISO 10319)	- MD	7 (-0)	7 (-0)	9 (-0)	14 (-0)	20 (-0)	26 (-0)
	- CMD	3 (-0)	5 (-0)	3 (-0)	3 (-0)	3 (-0)	3 (-0)
Force at strain 5% (EN ISO 10319)	- MD	12 (-0)	12 (-0)	16 (-0)	24 (-0)	30 (-0)	45 (-0)
	- CMD	6 (-0)	7 (-0)	6 (-0)	6 (-0)	6 (-0)	6 (-0)
Physical properties							
Mesh size, mm		20x6					
Geogrid core		PET					
Polimeric coating		PVC					
Roll width (standart), m		4,7					
Roll length (standart), m		50					
Loading capacity (standart), m2		39950	39950	33840	29610	24910	24910

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