

Fortrac[®] 3D-30

Fortrac 3D-30 is comprised of high tenacity polyester yarns, crafted into a stable, interlocking pattern and then coated for protection from installation damage. Fortrac is easy to install, unaffected by freeze-thaw conditions, and resistant to chemical, biological and ultra-violet exposure. The Fortrac 3D geogrids are designed with yarns woven into a three-dimensional pattern that provides an efficient reinforcement for soils and root vegetation. Fortrac has been developed for use as tensile reinforcement for retaining walls, steepened slopes, levees, embankments and landfill lining systems. Fortrac 3D geogrids are produced at Huesker's manufacturing facility that has achieved ISO 9001 certification.

Physical Properties of Fortrac 3D-30

PROPERTY	TEST METHOD	ENGLISH units ¹	SI units ¹
Mass/Unit Area	ASTM D-5261	8.8 oz/yd ²	300 g/m ²
Thickness²	Measured	0.68 inch	17.27 mm
Tensile Strength, MD	ASTM D-6818	2,055 lb/ft	30 kN/m
Elongation at Break	ASTM D-6818	12%	12%
Light Penetration (% passing)	ASTM D-6567	63%	63%
UV Resistance @ 3,000 hours	ASTM D-4355	100%	100%
Seedling Emergence	ASTM D-7322	380%	380%
Limiting Velocity (Vegetated)^{2,3}	ASTM D-6460	24+ ft/sec	7.3 m/sec
Limiting Shear (Vegetated)^{2,3}	ASTM D-6460	13.3+ lb/ft ²	637 Pa
Manning's "n" (Unvegetated)²	ASTM D-6460	0.028	0.028

¹ MARV - Minimum average roll values are based on a 95% confidence level.

² Fortrac 3D combined with single net straw blanket.

³At maximum available flow, system had not reached failure.

Standard Roll Size: 14.76 ft (4.5 m) wide x 328.1 ft (100 m) long = 538 yd² (450 m²)

Each roll of Fortrac[®] delivered to the project site is labeled by Huesker[®] with a roll label that indicates manufacturer's name, product identification, lot number, roll number and roll dimensions. All rolls of Fortrac[®] are encased in a sturdy polyethylene wrap to shield the product from rain, dirt, dust and ultraviolet light. Contact Huesker[®] for information on our material warranty.

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