



# A.G.A. GROUP

## Engineering nature

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### Product Specification Sheet

### A.G.A. Turf Reinforcement Mat

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Constructed from a coir fibre matting stitched between high tensile strength polypropylene netting, turf reinforcement matting encourages thicker grass and firmer banks. The polypropylene netting helps to stabilise topsoil which can be laid below and above the matting.

#### Advantages of Turf Reinforcement Mat

- ▶ Top soil stabilisation (which encourages stronger root growth)
- ▶ Long term erosion control on slopes, drainage channels, landfills and other high flow areas
- ▶ Protection against wind and rain erosion
- ▶ Increase resistance to shear stress (slippage)

#### Product construction

<b>Matrix</b>	100% coir fibre	0.5 lb/sy (0.27 kg/sm)
<b>Netting</b>	Top and Bottom, UV-Stabilized Polypropylene	8 lb/1000 sf (3.91 kg/100 sm)
	Middle, Corrugated UV-Stabilized Polypropylene	24 lb/1000 sf (11.7 kg/100 sm)
<b>Thread</b>	Polypropylene, UV Stable	

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### Product properties

Index Property	Test Method	Typical
Thickness	ASTM D6525	0.73 in. (18.54 mm)
Resiliency	ASTM D6524	ASTM D6524
Density	ASTM D792	0.917 g/cm <sup>3</sup>
Mass/Unit Area	ASTM D6566	18.36 oz/sy (624 g/sm)
UV Stability	ASTM D4355/ 1000 HR	80%
Porosity	ECTC Guidelines	99%
Stiffness	ASTM D1388	0.24 in.-lb (275990 mg-cm)
Light Penetration	ASTM D6567	7.2%
Tensile Strength - MD	ASTM D6818	585.8 lbs/ft (8.70 kN/m)
Elongation - MD	ASTM D6818	45.3%
Tensile Strength - TD	ASTM D6818	687.6 lbs/ft (10.20 kN/m)
Elongation - TD	ASTM D6818	19.5%
Biomass Improvement	ASTM D7322	380%

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