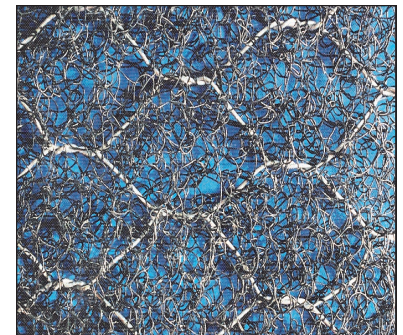


### MACMAT<sup>®</sup> R1 6822GN TURF REINFORCEMENT MAT

**MacMat<sup>®</sup> R1 6822GN** geocomposite combines a layer of double twisted hexagonal steel wire mesh with a polypropylene three dimensional matrix geomat that is extruded onto the wire during the manufacturing process. **MacMat<sup>®</sup> R1 6822GN** is applied as an erosion control mat for sloped embankments, for channel linings and “soil veneer applications”.

Properties MAT	Test Method	Units	Values	Notes:
Polymer			polypropylene	
Mass/Unit Area	ASTM D 6566	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	13.3 (450)	3
UV Stability	ASTM D G53, ASTM D 1682, mod.	% strength retained	stabilized	
Properties REINFORCEMENT				
Double twisted woven steel wire mesh heavily Galmac coated; type			6x8	-
Minimum Weight of Coating [Galvan <sup>®</sup> ]	ASTM A856M-98	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	7.19 (244)	3
Minimum Thickness of Coating [PVC]	ASTM A975	in (mm)	n.a.	-
Diameter of Wire Mesh	ASTM A975	in (mm)	0.086 (2.2)	3
Diameter of Selvedge Wire	ASTM A975	in (mm)	0.106 (2.7)	3
Properties GEOCOMPOSITE				
Tensile Strength (MD)	ASTM D4595	lbs/ft (kN/m)	2143 (31.3)	1
Thickness	ASTM D 6525	in (mm)	0.47 (12)	2
Mass/Unit Area	ASTM D 6566	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	48.1 (1630)	3
Ground Cover & Light penetration	ASTM D6567	%	≥65 & 30	3,4
Ability to protect soil from rain splash and associated runoff under bench-scale conditions	ECTC method 2; 6 inch (150 mm)/hr for 30 min	soil Loss ratio	> 4.4	3,4
Ability to protect soil from hydraulically-induced shear stresses under bench-scale conditions	ECTC method 3	1.98 psf for 30 min; g 3.21 psf for 30 min; g 4.31 psf for 30 min; g	< 110 < 500 < 2000	3,4
Performance in encouraging seed germination and plant growth	ECTC method 4	%	> 340	3,4
Roll info	(Width x Length) (Area x Weight)	ft (m) yd <sup>2</sup> x lb (m <sup>2</sup> x kg)	6.56x82 (2x25) 59.8x150.2 (50x81.5)	5

1. Minimum average roll values (MARV) are calculated as typical minus two standard deviations.
2. Minimum value
3. Typical value; on typical value a 10% of tolerance on the declared value is admitted
4. Determined on full scale tests by independent laboratories
5. Width, length, area and weight values per roll are nominal a tolerance of 5% on the reported value is admitted.



Maccaferri reserves the right to amend product specifications without notice and specifiers are requested to check as to the validity of the specifications they are using.

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