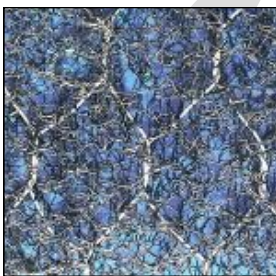


MACMAT[®] R1 8127GX
STEEL REINFORCED GEOMAT

MacMat[®] R is a reinforced geomat made from a polymeric three-dimensional matrix extruded onto a double twisted steel wire woven mesh 8x10 type made of Galmac[®] (a Zn/Al5% alloy) and PoliMac[®] coated wire. Units are produced in compliance with EN 10223-3.

| MacMat [®] R | | | R1 8127GX |
|---|--------------------------|-------------------|---|
| Geomat properties | | | |
| Polymer | | | Polypropylene |
| Mass per unit area ⁽¹⁾ | EN ISO 9864 | g/m ² | 450 (±30) |
| Melting point ⁽²⁾ | ISO 306 | °C | 150 |
| Density ⁽²⁾ | ISO 1183 | kg/m ³ | 900 |
| UV resistance | | | Stabilized |
| Reinforcement properties | | | |
| Type | EN 10244-2 EN 10245-1 | | Double twisted woven steel wire mesh GalMac [®] and PoliMac [®] coated |
| Mesh type | EN 10233-3 | | 8x10 |
| Wire diameter (int. / ext.) | EN 10233-3 | mm | 2.70 / 3.70 |
| Galmac coating | EN 10244-2 | g/m ² | Class A |
| Concentricity of PoliMac [®] coating | EN 10245-3 | % | >60 |
| Nominal mesh tensile strength | EN 10233-3 | kN/m | 50 |
| Composite Physical Properties | | | |
| Mass per unit area ⁽¹⁾ | EN ISO 9864 | g/m ² | 2130 (±213) |
| Voids index ⁽¹⁾ | | % | > 90 |
| Thickness at 2 kPa ⁽³⁾ | EN ISO 9863-1 | mm | 16 (±4) |
| Roll width ⁽⁴⁾ | | m | 2.00 |
| Roll length ⁽⁵⁾ | | m | 25 |
| Composite Erosion Control Properties | | | |
| Light Penetration (passing) | ASTM D6567 | % | 35 - 45 |
| Ground Coverage | | % | 55 - 65 |
| C factor (cover management factor) ⁽⁶⁾ : - rainfall intensity i = 50 mm/h - rainfall intensity i = 100 mm/h - rainfall intensity i = 150 mm/h | ASTM D6459 | | ≤ 0.0028 ≤ 0.012 ≤ 0.032 |



- (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (2) Informative value given at the best of our knowledge;
- (3) Typical value, however the geocomposite thickness can vary according to specific project requirements ranging from 8 to 22 mm approx.;
- (4) A standard tolerance of 5% is admissible with reference to the declared value;
- (5) A standard tolerance of 1% is admissible with reference to the declared value;
- (6) Calculated values certified by a CPESC (certified professional soil erosion & sediment control specialist) based on full scale test reports 732 and 734 run according to ASTM D6459 - Standard Test Method for Determination of Erosion Control Blanket (ECB) Performance in Protecting Hillslopes from Rainfall-Induced Erosion;

The standard colour of the geomat is black. Brown colour is available in request.

For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the right to modify standards and characteristics of the product without warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement. Specifiers are requested to check the validity of the specification they are using.

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Maccaferri operates under strict quality assurance and management procedures.