

ELEMENT PROPERTIES

| MAC - MAT | | L | S | R 10 | R 80 | R 110 | R 200 |
|-----------------------------|-------------------|---------------|-----------|------------|------|-------|-------|
| Polymer | | POLYPROPYLENE | | | | | |
| Mass per unit area (EN 965) | gr/m ² | 550 (±50) | 650 (±50) | 500 (±100) | | | |
| Melting point (ISO 306) | °C | 150 | | | | | |
| Density (ISO 1183) | kg/m ³ | 900 | | | | | |
| UV Resistance | | STABILIZED | | | | | |

Reinforcement

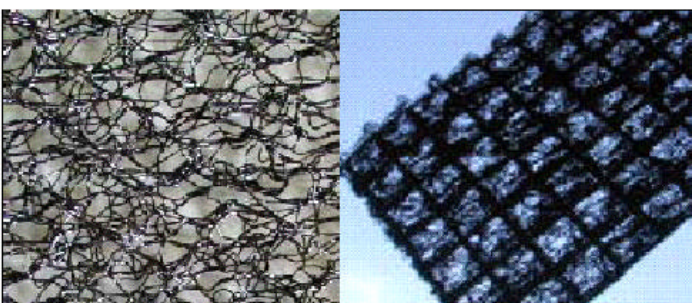
| Type | | | | Polypropylene extruded geogrids. | Woven geogrids with high tenacity polyester yarns with a polymeric protective coating |
|--------------------------------------|----|--|--|----------------------------------|---|
| Mesh opening size - length direction | mm | | | 40 (±10) | 35 (±15) |
| Mesh opening size - cross direction | mm | | | 30 (±10) | 30 (±10) |

GEOCOMPOSITE MECHANICAL PROPERTIES

| | | | | | | | |
|--|------|------------|------------|-----------|-----------|-----------|-----------|
| Mechanical strength - length direction (EN ISO 10319) ⁽¹⁾ | kN/m | 2.0 (±0.2) | 2.0 (±0.2) | 9 | 80 | 110 | 200 |
| Elongation - length direction (EN ISO 10319) | % | 60 (±25) | 50 (±25) | 12 (±2.0) | 12 (±2.0) | 13 (±2.0) | 13 (±2.0) |
| Mechanical strength - cross direction (EN ISO 10319) | kN/m | 2.0 (±0.2) | 2.0 (±0.2) | - | - | - | - |
| Elongation - cross direction (EN ISO 10319) | % | 60 (±25) | 50 (±25) | - | - | - | - |

NOMINAL PHYSICAL PROPERTIES

| | | | | | | | |
|-------------------------------------|-------------------|-----------|-----------|------------|------------|------------|------------|
| Mass per unit area (EN 965) | gr/m ² | 550 (±50) | 650 (±50) | 600 (±100) | 700 (±100) | 750 (±100) | 900 (±100) |
| Voids index (gemat & geocomposite) | % | >90 | >90 | >90 | >90 | >90 | >90 |
| Nominal thickness at 2 kPa (EN 964) | mm | 12 (±2.0) | 12 (±2.0) | 12 (±2.0) | 12 (±2.0) | 12 (±2.0) | 12 (±2.0) |
| Roll length ⁽²⁾ | m | 25 | 25 | 25 | 25 | 25 | 25 |
| Roll width ⁽³⁾ | m | 2 | 2 | 2 | 2 | 2 | 2 |
| Roll area | m ² | 50 | 50 | 50 | 50 | 50 | 50 |



MACMAT® Geomat L & S type

MACMAT® type R geocomposite

- (1) Intermediate mechanical resistance of the type R are available on request; all the other characteristics of the geocomposite are the same with the only exception of the weight that is directly depending on the weight of the grid reinforcement
- (2) Other dimensions are available on request
- (3) The material is also available in 4 m width on request

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SINCERT's and UKAS' s accreditation.