

Product description

Enkamat 7018 is a flexible three-dimensional matting, produced from polyamide 6 monofilaments welded together where they cross to form a tough, open structured matting with more than 95% free space. Mattings wider than 1 m are produced by thermally joining 1 m wide lanes.

Application

Enkamat 7018 is a proven, lightweight, flexible permanent erosion prevention mat. The three-dimensional structure of Enkamat 7018 provides an artificial root system for permanent reinforcement and helps nature to develop strong vegetation for permanent erosion protection of slopes, banks, landfills and other vulnerable erosion-prone areas.

Performances

Descriptive features

| | | Mean value | |
|-----------------------|-------------------|------------|--|
| Polymer | | PA6 | |
| Polymer density | kg/m ³ | 1140 | |
| Colour | | black | |
| Mass per unit area | g/m ² | 290 | EN 965 |
| Thickness | mm | 13 | EN 964-1 |
| Soil retention factor | m/m ² | 1290 | Total length of filament per unit area |

Mechanical properties

| | | Mean value | |
|--------------------------------|------|------------|----------|
| Tensile strength MD | kN/m | 1.8 | EN 10319 |
| Tensile strength CMD | kN/m | 1.0 | EN 10319 |
| Tensile strength of the joints | kN/m | 0.5 | EN 10319 |

Thermal properties

| | | Classification | |
|------------------------|----|----------------|---|
| Temperature resistance | °C | -30 to +80 | no reduction in flexibility or strength |

Dimensions and weights

| Enkamat Standard | Mattings | | | | | Rolls | | |
|------------------|-----------|------------------|-------|--------|----------------|-------|--------|--------------|
| | Thickness | Weight | Width | Length | Area | Ø | Length | Gross-weight |
| | mm | g/m ² | m | m | m ² | m | m | kg |
| 7018/1 | 13 | 290 | 1.00 | 120 | 120 | 1.10 | 1.03 | 35 |

Individual values may vary from above mentioned data.

Enkamat 7018 can also be supplied 1.95 m, 3.85 m and 5.75 m wide.

Quality Assurance



The Quality Management System of Colbond Geosynthetics, at Arnhem (development and sales) and Oberburg (production), has been approved by Lloyd's Register Quality Assurance Limited for the ISO 9001:2000 quality management system standard (Certificate No. 935136).

Colbond Geosynthetics, P.O. Box 9600, 6800 TC Arnhem, the Netherlands
Phone: +31 26 366 4600 • Fax: +31 26 366 5812
geosynthetics@colbond.com • www.colbond.com

The information set forth in this brochure reflects our best knowledge at the time of issue. The brochure is subject to change pursuant to new developments and findings, and a similar reservation applies to the properties of the products described. We undertake no liability for results obtained by usage of our products and information.