

Product description

Enkamat A20 is a special high performance three-dimensional matting, made from polyamide monofilaments, prefilled with a mineral filter of 2-5 mm chippings bound with bitumen. The mat is flexible and permeable and allows vegetation to grow through. Enkamat A20 is non-toxic and approved for the use in drinking water reservoirs.

Application

Enkamat A20 is a proven, flexible permanent erosion prevention mat. Enkamat A20 is used where vegetation has little chance to develop, usually at and below the water level of banks of watercourses.

Performances

Descriptive features of the unfilled matting

| | | Mean value | |
|--------------------|-------------------|------------|----------|
| Polymer | | PA6 | |
| Polymer density | kg/m ³ | 1140 | |
| Colour | | black | |
| Mass per unit area | g/m ² | 650 | EN 965 |
| Thickness | mm | 19 | EN 964-1 |

Mechanical properties of the unfilled matting

| | | Mean value | |
|--------------------------------|------|------------|----------|
| Tensile strength MD | kN/m | 2.4 | EN 10319 |
| Tensile strength CMD | kN/m | 2.5 | EN 10319 |
| Tensile strength of the joints | kN/m | 2.4 | EN 10319 |

Descriptive features of Enkamat A20

| | | Mean value | |
|-------------------------------|-------------------|------------|-----------|
| Basalt filling, particle size | mm | 2 to 5 | DIN 18123 |
| Binder | | bitumen | |
| Mass per unit area | kg/m ² | 20 | EN 965 |
| Thickness | mm | 22 | EN 964-1 |

Hydraulic properties of Enkamat A20

| | | Mean value | |
|---|---------------------|------------|--------------|
| Water permeability, V _I H ₁₀₀ | mm/s | 30 | EN ISO 11058 |
| Mannings factor | s·m ^{-1/3} | 0.019 | |

Dimensions and weights

| Enkamat A20 | Mattings | | | | | Rolls | | | |
|----------------|----------|-----------------|-----------------------------|------------|-------------|------------------------|--------|-------------|------------------------|
| | Type | Thickness mm | Weight kg/m ² | Width m | Length m | Area m ² | Ø m | Length m | Gross- weight kg |
| A20/5 | | 22 | 20 | 4.80 | 20 | 96 | 0.70 | 5.60 | 2400 |

Individual values may vary from above mentioned data.

Quality Assurance



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

Colbond bv, 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.