COLBOND
GEOSYNTHETICS

Enkamat® 7010
Product Information

Product description

Enkamat 7010 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 7010 is a proven, lightweight, flexible permanent erosion prevention mat. The three-dimensional structure of Enkamat 7010 provides an artifical 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/m³	1140		
Colour		black		
Mass per unit area	g/m²	260		EN 965
Thickness	mm	9		EN 964-1
Soil retention factor	m/m²	1810		Total length of filament per unit area

Mechanical properties

		Mean value		
Tensile strength MD	kN/m	1.5		EN 10319
Tensile strength CMD	kN/m	1.1		EN 10319
Tensile strength of the joints	kN/m	0.7		EN 10319

Thermal properties

		Classification		
Temperature resistance	ºC	-30 to +80		no reduction in flexibility or strength

Dimensions and weights

Enkamat Standard	Mattings					Rolls		
Type	Thickness mm	Weight g/m²	Width m	Length m	Area m²	Ø m	Length m	Gross-weight kg
7010/1	9	260	1.00	150	150	1.20	1.03	40

Individual values may vary from above mentioned data.

Enkamat 7010 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 Obernburg (production), has been approved by Lloyd's Register Quality Assurance Limited for the ISO 9001:2000 quality management system standard (Certificate No. 935136).

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