

**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 <sup>3</sup>	1140	
Colour		black	
Mass per unit area	g/m <sup>2</sup>	290	EN 965
Nominal thickness	mm	18	
Soil retention factor	m/m <sup>2</sup>	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 <sup>2</sup>	m	m	m <sup>2</sup>	m	m	kg
7018/1	18	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 and 3.85 m wide.

## 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).

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