

# Trinter Soil Retention Mat for Erosion Control

Property	Test Method	Units	Value
<b>Mechanical Properties</b>			
Wide width tensile strength	EN ISO 10319(1)	kN/m	3.5
Elongation)	EN ISO 10319(1)	%	20
<b>Polymer Properties</b>			
Polymer type			PP and HDPE
UV resistance			UV stabilisers and 2% carbon black
Colour			Black
<b>Physical Properties</b>			
Unit weight		g/m <sup>2</sup>	340
Thickness		mm	20 to 25
Roll Width		m	2.0
Roll Length		m	25
Approx Roll Diameter		m	0.7
Approx Roll Weight		kg	18

(1) Wide width tensile test using a modified EN ISO 10319 test in the principal direction.  
Values quoted are family means derived over a period of time.

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# **Trinter Soil Retention Mat Installation Guide**

## **Application**

Steep slopes, river banks, ditches, spillways and other exposed areas are often prone to damage caused by erosion of soil by wind or water. Vegetation can help protect against these erosive forces but often the soil is washed away before the vegetation is able to establish a strong root system. Interma's Trinter Soil Retention Mat reduces the destructive forces of water and wind and provides a long term root reinforcement system.

## **Installation**

1. Excavate the slope, fill any voids and make smooth with no ruts or undulations. Secure the Trinter Mat at the top of the slope into an anchor trench and/or fix using steel pins.
2. Unroll Trinter down the slope ensuring that the 'soil pockets' run horizontally. At each roll change, place the leading edge under the preceding roll with a 100mm overlap.
3. Secure the lap with steel pins. Continue installation along the slope length and overlap adjacent rolls by 100mm. Secure the overlap using steel pins at 1m centres.
4. Fill the Trinter Mat with topsoil ensuring that there are no gaps between the soil filled Trinter and the slope surface. Hydroseed onto the soil filled mat to encourage vegetation.

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