

TECHNICAL DATA SHEET

Erosion control mat **TECMAT®**

The Geobrugg erosion control mat **TECMAT®** is a three-dimensional structural mat of PP monofilaments and is typically used in combination with a **TECCO®** mesh cover and an appropriate nailing. The erosion control mat needs to be installed underneath the steel wire mesh, in general, and it features no static function.

Physical properties			
Fibers:	extruded monofilaments	Filament thickness:	0.4 – 0.7 mm
Material:	Polypropylene (PP)	Ignition point:	350 – 380° C
Structure:	irregular loopy structure		
Thickness:	$h_m = 18 \text{ mm}$		
Specific mass:	$g_m = 600 \text{ g/m}^2$		
Void ratio:	> 95%		
Colour:	Curry green *		

Mechanical properties			Test method
Tensile strength:	MD: $z_m \geq 1.8 \text{ kN/m}$	CMD: $z_m \geq 0.6 \text{ kN/m}$	EN ISO 10319
Tensile strain:	MD: $\varepsilon = 20\%$	CMD: $\varepsilon = 20\%$	EN ISO 10319

TECMAT® standard roll	
Roll width:	$b_{\text{Roll}} = 2.00 \text{ m}$
Roll length:	$l_{\text{Roll}} = 40 \text{ m}$
Total surface per roll:	$A_{\text{Roll}} = 80 \text{ m}^2$
Weight per roll:	$G_{\text{Roll}} = 48 \text{ kg}$

TECMAT®



* Slight color changes are normal and cannot be seen as product fault.

Although not guaranteed, these results do to the best of our knowledge, offer a true and accurate record of the production performance. Any kind of responsibility for the performance of these products cannot be accepted. The right of alter product specifications without prior notice is reserved.

Rockfall, slides, mudflows and avalanches are natural events and therefore cannot be calculated. This is why it is impossible to determine or guarantee absolute safety for persons and property with scientific methods. This means that to provide the protection we strive for, it is imperative to maintain and service protective systems regularly and appropriately. Moreover, the degree of protection can be diminished by events that exceed the absorption capacity of the system as calculated to good engineering practice, failure to use original parts or corrosion (i.e., from environmental pollution or other outside influences).