

# TECHNICAL DATASHEET

# TECHMAT P500SL

## PRODUCT DESCRIPTION

TECHMAT P500SL is a polypropylene soil erosion control matting consisting of a flexible lightweight, high void ratio, three dimensional geomat obtained from extruded monofilaments tangled and welded where they cross.

TECHMAT P500SL provides both an effective erosion control surface and vegetative root reinforcement layer. It is a non-biodegradable mat to assist permanent vegetation growth.

Geogrid reinforced or Steel Reinforced versions are available for heavier duty applications.



CHARACTERISTICS	TEST METHOD	UNITS	TECHMAT P500SL	TOLERANCE
<b>PROPERTIES</b>				
PRODUCT			GEOMAT	
RAW MATERIAL ( + UV STABILIZER)			POLYPROPYLENE	
VOID RATIO		%	>95	±5%
<b>PHYSICAL/MECHANICAL CHARACTERISTICS</b>				
THICKNESS		mm	22	±3
TENSILE STRENGTH MD	EN ISO 10319	kN/m	>1,8	
TENSILE STRENGTH CMD	EN ISO 10319	kN/m	>0,5	
EXTENSION AT MAX LOAD MD	EN ISO 10319	%	>50	
EXTENSION AT MAX LOAD CMD	EN ISO 10319	%	>50	
<b>DIMENSIONAL CHARACTERISTICS</b>				
<b>STANDARD DIMENSIONS</b>				
ROLL WIDTH		m	2-4	-5%
ROLL LENGTH		m	50	±5%
ROLL AREA		m <sup>2</sup>	100-200	
ROLL DIAMETER		cm	60	
ROLL WEIGHT		kg	50-100	±10%
ROLLS/PALLET		n°	4	

MD: Machine Direction  
CMD: Cross machine direction

The information given in this datasheet is to the best of our knowledge true and correct. TCS reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for the design and procurement purposes are current and consistent with the products used in each instance.

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards.
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.
7. The thickness stated is the product thickness as manufactured; the product is compressed when rolled for delivery and the extent of recovery will depend on time.

## REGISTERED OFFICE ADDRESS

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