

TECHNICAL DATASHEET

TECHMAT P500RFM (810)

PRODUCT DESCRIPTION

Three dimensional high void ratio geomat obtained from extruded monofilaments, tangled and welded where they cross, bonded with a double twist metal mesh.



CHARACTERISTICS	TEST METHOD	UNITS	TOLERANCE	TECHMAT P500RFM(810)	TECHMAT P500RFM PVC(810)
GEOMAT PROPERTIES					
APPLICATION				EROSION CONTROL	EROSION CONTROL
GEOMAT RAW MATERIAL				PP	PP
REINFORCEMENT PROPERTIES					
RAW MATERIAL				HEXAGONAL DOUBLE TWIST METAL MESH	HEXAGONAL DOUBLE TWIST METAL MESH PVC COATED
PROTECTION OF METALLIC WIRE				GALFAN, Zn-Al alloy 5%	GALFAN, Zn-Al alloy 5%
PROPERTIES OF PROTECTION OF METALLIC WIRE	EN 10244-2			CLASS A	CLASS A
CONTENT OF PROTECTION OF METALLIC WIRE		g/m ²		≥245	≥245
MESH TYPE		cm		8x10	8x10
WIRE THICKNESS	EN 10218	mm		2,7	2,7/3,7
PLASTIC COATING THICKNESS		mm		-	0,5
WIRE TENSILE STRENGTH	EN 10223-3	N/mm ²		350-550	350-550
WIRE ELONGATION AT MAX LOAD	EN 10223-3	%		>10	>10
OUTWEARING ACCELERATED AGING TEST IN SO ₂ (28 CYCLES)	EN ISO 6988			PASS	PASS
PHYSICAL CHARACTERISTICS					
GEOMAT WEIGHT	EN 9864	g/m ²	+/-5%	500	500
TOTAL THICKNESS	EN 9863-1	mm	+/-3	18	18
VOID RATIO		%		>90	>90
TENSILE STRENGTH MD		kN/m	+/-3	>47	>47
ELONGATION AT MAX LOAD MD		%		≥10	≥10
STANDARD DIMENSIONS					
ROLL DIMENSIONS		m	2X25		

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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