

TECHNICAL DATASHEET

TECHMAT CB350(P20)

PRODUCT DESCRIPTION

350gsm, PP net (19mm X 19mm) Both Sides stitched with Black PP thread

Techmat CB350(P20) consists of 100 % untreated coir (approximately 350gsm) stitched between a 19mm x 19mm Polypropylene (PP) netting. With PP thread used for the stitching. The Techmat CB350(P20) offers 100% soil coverage when laid in accordance with the installation guidelines. The coir will break down over a period of time allowing the vegetation to establish and the PP net to intertwine with the vegetations rootzone creating a stronger rootzone.

Techmat CB350(P20) is typically used on Slopes 1:1.5 ;1:1 or steeper.



CHARACTERISTICS	STANDARD	UNIT	VALUE
MATERIAL	COIR FIBRE, PP NET AND PP THREAD. PP NETTING IS - PHOTODEGRADABLE		
DIMENSIONS		m	WIDTH UP TO 2.4m LENGTH UP TO 50m
THICKNESS	ASTM D 5199	mm	6-7mm
APPARENT OPENING SIZE	ASTM D 4751		NIL
MASS	ASTM D 5261	g	350g-360g
TENSILE STRENGTH	ASTM D 4595	kN/m	MC - 3.87 CROSS MC - 2.3
GRAB BRAKING LOAD	ASTM D 4632	N	MC - 287 CROSS MC - 221
FLOW VELOCITY UNVEGETATED	ASTM D6460	m/s	3.05
VEGETATED	ASTM D6460	m/s	5.85

BENEFITS

- Promotes vegetation growth
- Adds organic material to insert soils
- Water absorption in low rain areas
- Mulching effect-Prevents topsoil from drying out
- 100% natural biodegradable fibres
- High tensile strength
- High tear resistance
- Easy to install
- Follows the contours of the soil surface
- Degrades over 2 to 5 years

TYPICAL APPLICATIONS

- Erosion Control
- Re-Vegetation
- Stream Bank Stabilization
- Soil Erosion Control
- River Embankments
- Landscaping

INSTALLATION

Vegetation Establishment - Seeding can be undertaken prior to blanket installation and seedlings can grow up through the blanket. Alternatively seeding can undertake after installation and sown on to the blanket.

Hydro seeding is also an effective seed application method over large areas and will provide further support for vegetation growth. Wildflower and aquatic plants and shrubs can be inserted through the coir mesh after installation and the blanket will provide support to vegetation establishment.

Overlapping and Anchorage – Sufficient overlap and anchorage is the key to the success of erosion control blanket products. Trenches at the top and bottom of the slope must be back filled and pegged to ensure good anchorage.

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 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.

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