

TechMatt™ Uniform Section

TechMatt™ is a specialized fabrics used in fabric formed concrete systems for the application areas in erosion control, armoring and reduces the stress due to scaffold over landscaping. This custom designed product is integrated with fine aggregate concrete which is pumped between the layers to form the durable structures capable of withstanding various environmental stresses. This product ensures the protection at variable conditions and provide a reliable solution for the challenges.

TechMatt™ Uniform Section provides excellent resistance to erosion and a high coefficient of friction, effectively reducing wave action and water velocity. Designed with uniform sections, TechMatt™ facilitates underwater filling and stabilization in challenging conditions, forming a structured concrete block pattern. This ensures a mattress mass and thickness of 100mm in the final application, achieved through the twines between fabric layers.

TechMatt™ Uniform Section panels incorporate deflector fabrics throughout, which help control grout flow in geotextile applications. These fabrics create layered sections and maintain the grout volume between fabric layers. Additionally, the panels feature industrial-engineered zippers at the edges, allowing seamless attachment across the application area. This ensures precise placement of panels on slopes and trenches, maintaining structural integrity.

TechMatt Fabric Properties:

	Test Standard	Unit	Value
Mass Per Unit Area	ASTM D 5261	GSM	>200
Tensile Strength	ASTM D 4595	kN/m	52
Elongation		%	10
Tear Strength	ASTM D 4533	kN	0.55
CBR Puncture Strength	ASTM D 6241	kN	5.50
Apparent Opening Size	ASTM D 4751	mm	<0.80
Water Flow Rate	ASTM D 4491	lit/min	>1000



The information given in this data sheet is based on tests conducted at our in-house laboratory and independent accredited laboratories. While the information is presented as a true and accurate representation of the attributes of the product to the best of our knowledge, no expressed or implied warranties are made and TechFab (India) Industries Ltd. assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved.

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