

TECHNICAL DATASHEET

TECHGRID 20/20



PRODUCT DESCRIPTION

Techgrid 20/20 is a 20kN/m biaxial geogrid integrally formed structure, which is designed for stabilization and reinforcement applications. Techgrid 20/20 biaxial geogrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching.

Techgrid 20/20 features high tensile strength at both longitudinal (MD) and transverse (TD) directions.



PROPERTIES	TEST METHOD	UNITS	MD VALUES	TD VALUES
GEOGRID PHYSICAL PROPERTIES				
POLYMER	-	-	PP	
MINIMUM CARBON BLACK	ASTM D 4218	%	2	
ULTIMATE TENSILE STRENGTH	EN ISO10319	kN/m	20	20
TENSILE STRENGTH @ 2% STRAIN	EN ISO10319	kN/m	7	7
TENSILE STRENGTH @ 5% STRAIN	EN ISO10319	kN/m	14	14
STRAIN @ ULTIMATE STRENGTH	EN ISO10319	%	13	13
STRUCTURAL INTEGRITY				
JUNCTION EFFICIENCY		%	93	93
FLUXURAL RIGIDITY	GRI GG2	Mg-cm	750,000	
APERTURE STABILITY	ASTM D7748 COE METHOD	m-N/deg	0.50	
ROLL DIMENSIONS				
APERTURE DIMENSIONS		mm	35	35
MINIMUM RIB THICKNESS			1.5	1.1
ROLL WIDTH	-	m	4.0/5.95	
ROLL LENGTH	-	m	50	
ROLL WEIGHT	-	kg	(approx)	

Note: 5.95m widths available to special order, subject to minimum quantities.

*MD=Machine Direction/ TD=Transverse Direction

REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close
Martland Industrial Park
Wigan
Greater Manchester
WN5 0LA

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.

