

MINE-SHIELD GRID™ ROOF80

HIGH STRENGTH PET MINING GRID (FRAS COATED)



Mine-Shield Grid™ Roof80 is an innovative high-strength geogrid coated with durable FRAS (fire retardant anti-static coating) and is designed typically for mine roof applications. Corrosion resistant and light weight, this geogrid is manufactured with high-molecular weight, high-tenacity polyester yarns using a precision knitting process. It is dimensionally stable with a uniform aperture network that provides significant tensile reinforcement capacity in two directions. Featuring high tensile strength, stiffness and confinement, Mine-Shield Grid™ Roof80, works to effectively prevent rock intrusions from mine roofs and ribs. It is engineered to withstand both harsh construction and aggressive soil environments and is unaffected by soil micro-organisms.

TESTED PROPERTY	TEST METHOD	UNIT MEASURE	VALUE METRIC	
			MD	XD
Ultimate Tensile Strength ⁽¹⁾	ASTM D 6637	kN/m	80	80
Strain at Ultimate ⁽¹⁾	ASTM D 6637	%	13	13
Seacant Modulus at 5% Strain ⁽¹⁾	ASTM D 6637	kN/m	442	442
Flammability Resistance	UL-94 Modified		PASSES	
Anti Static Resistance	MT141-2005		PASSES	
Aperture Size ^{(2) (3)}	Nominal	mm (inch)	65	65
Mass/Unit Area ⁽²⁾	ASTM D 5261	g/m ²	650	
Roll Width	Minimum	m	5.0	
Roll Length ⁽⁴⁾	Minimum	m	300.0	

Notes:

(1) Minimum Average Roll Values (MARV) Values- calculated as (Mean minus 2X standard deviation.

(2) Average.

(3) Aperture tolerance: within +/- 10% coefficient of variance

(4) Custom Length Orders can be accommodated.

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