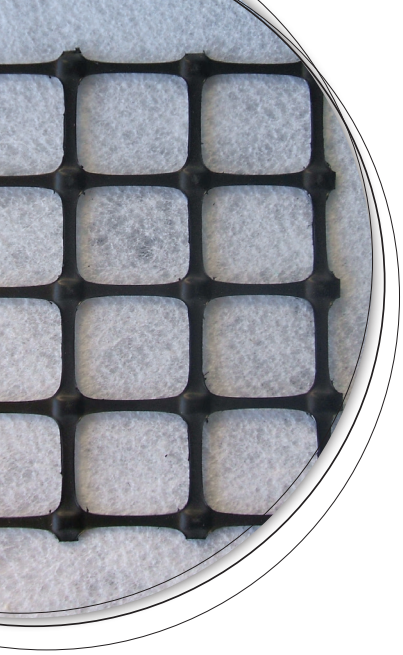

PROGRID® 20,30 & 40

GEOGRIDS – BIAXIAL STRENGTH POLYPROPYLENE SOIL REINFORCEMENT GEOGRIDS

DESCRIPTION

ProGrid geogrid is formed by punching holes and stretching a stiff plastic sheet to form a geogrid with uniform openings to contain and absorb lateral forces exerted on the reinforcement from implied loads. The transfer of implied loads to the geogrid is by way of a combination of friction and interlocking with the surrounding granular particles. ProGrid geogrids provide a stiff, high modulus reinforcing layer to allow the construction of roads and other amenities over weak subgrades.

APPLICATION

ProGrid
- Sub Base reinforcement
- Raft reinforcement construction
- Soil reinforcement

TYPICAL PROPERTIES

GRADE	UNIT	20/20		30/30		40/40	
INDEX PROPERTIES		MD	XD	MD	XD	MD	XD
Aperture Dimensions	mm	38	43	34	41	37	43
LOAD CAPACITY							
Tensile Strength @ 2% Strain	kN/m	7	7	11	11	14	14
Tensile Strength @ 5% Strain	kN/m	14	14	22	22	28	28
Ultimate Tensile Strength	kN/m	20	20	30	30	40	40
STRUCTURAL INTEGRITY							
Junction Efficiency	%	100		100		100	
PHYSICAL PROPERTIES							
Resistance to Long Term Degradation	%	100		100		100	
Rolls Dimensions	m	3.9 x 50		3.9 x 50		3.9 x 50	

ProGrid is a registered trademark of Global Synthetics Pty Ltd.

APRIL.16

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