

PROGRID® Compo GC

Polyester Asphalt Geogrid Composite

DESCRIPTION

ProGrid® Compo GC is a high modulus Polyester (PET) Geogrid fully stitch-bonded to a permanent PET lightweight porous Geotextile. The composite has a bituminous coating to provide a good bond with the asphalt layers. ProGrid® Compo GC series can not only increase the tensile strength of the asphalt layer and extend the service life of pavement layers, but also decreases the occurrence rate and severity of reflective cracking under cyclic traffic load. With a high modulus, high temperature resistance and high bonding properties, ProGrid® Compo GC can be used with asphalt overlays in new roads or rehabilitation works as reinforcement or as an asphalt interlayer.

APPLICATION

- Airport runways
- New roads and highways
- Road widening
- Road maintenance and repair
- Composite pavements

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNITS	GC 50/50	GC 100/100
Ultimate Tensile Strength (MD/CMD)	ASTM D6637	kN/m	≥ 50/50	≥ 100/100
Elongation at Break (MD/CMD)	ASTM D6637	%	≤ 16/16	≤ 16/16
Tensile Strength at 2% elongation (MD/CMD)	ASTM D6637	kN/m	≥ 9/9	≥ 17/17
Mesh size		mm	40	40
Installation Damage Resistance	EN ISO 10722	%	≥ 90	≥ 90
Melting Point	ASTM D276-00a	°C	255	255
Standard Geotextile Mass*	AS 3706.1	g/m ²	80*	80*
Geotextile Bitumen Retention	ASTM D6140	L/m ²	0.5-0.7	0.5-0.7
Standard Roll Width**		m	3.9**	3.9**
Standard Roll Length**		m	50**	50**

MD=Machine Direction, CMD=Cross Machine Direction

* A range of geotextile mass is available on request to suit specific projects requirements. The standard geotextile mass is 80g/m² to meet "QLD MRTS104: Retarding Pavement Reflective Cracking using Asphalt Geosynthetics" standard specification requirement.

** Other roll dimensions are available to suit project requirements.

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