

GS 5010

NON-CLOGGING GEOTEXTILE

DESCRIPTION

GS 5010 is a non-clogging fabric composed of needle-punched polyester and hot-melted polypropylene. The three-dimensional netted structure allows the geotextile to act as a separation layer between soil and water.

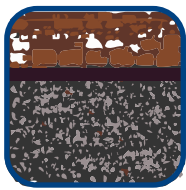
The fabric's design allows the passage of water through the material while trapping soil particles.

USES

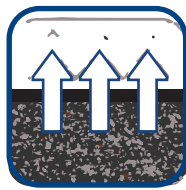
This material is intended as a filter layer to be deployed as protection for waterproofing membranes, drainage or steel cages of diaphragm walls; as protection for coasts, dikes or reclaimed land; to the drainage of foundation ditches, deep foundations or the backs of retaining walls.

CHARACTERISTICS

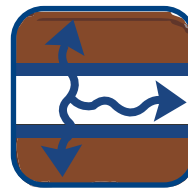
- ⇒ Anti-erosion, protects and reinforces soil.
- ⇒ High abrasive resistance.
- ⇒ High tensile strength.
- ⇒ Permanently non-clogging, while allowing the passage of water.



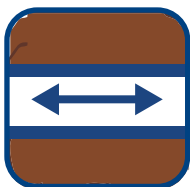
SEPARATION



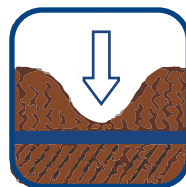
FILTRATION



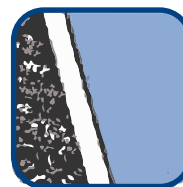
DRAINAGE



REINFORCEMENT



PROTECTION



SEALING

SURFACE PREPARATION

The substrate surface should be reasonably smooth and free of oil, grease or other materials and chemicals that may damage the membrane. All surface defects shall be repaired with cementitious-based materials prior to laying the non-clogging geotextile.

APPLICATION

GS 5010 shall be loosely laid to horizontal surfaces over the drainage layer, with overlaps of between 75 mm and 150 mm sewed with a portable sewing machine. The non-clogging geotextile may be secured to vertical surfaces by tying through holes made in the fabric

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NON-CLOGGING GEOTEXTILE

PRODUCT DATA

Item	Test Method	Data & Result	Unit
✓ Thickness	ASTM D-5199	2 kPa : 3.70 20 kPa : 3.15	mm
✓ Unit Weight	ASTM D-52261	627.5	g/m ²
✓ Tensile Strength	ASTM D-4632	Lengthwise : 268.4 Crosswise : 242.5	kgf
✓ Tearing Strength (Trapezoid)	ASTM D-4533	122.5	kgf
✓ Puncture Resistance	ASTM D-4833	Face : 103.0 Back : 161.0	kgf
✓ Permittivity	ASTM D-4491	0.357	S-1
✓ Apparent Opening Size (O 95)	ASTM D-4751	< #200 (Sieve No.)	-
✓ CBR Puncture	DIN 54307	Face : 818.0 Back : 928.6	kgf

SCOPE OF REGISTRATION AND STANDARDS



Manufacture of Waterproofing materials.
Compliance SIRIM testing.
Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.



MANUFACTURER :

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