

technical datasheet



Geotec Non-Woven Textile

Description

Geotec Non-Woven Textile is a general purpose, needle punched thermally bonded non-woven geotextile for use as a separator in all types of civil engineering and building projects. Geotec Non-Woven Textile creates a firm foundation on which you can build with confidence.

If Geotec Non-Woven Textile is not used over 150mm of stone will be lost into the ground where soil has a CBR of less than 3%, some road construction would be impossible to build without the use of a geotextile separator.

Its main application is to separate granular material from soft soils in road construction, car parks land fill, reclamation, and docklands, etc.

Mass per unit area	90	(g/m ²)	EN ISO 9864
Thickness (2 kpa)	0,9	(mm)	EN ISO 9863
Tensile Strength MD	5,5	(kn/m)	EN ISO 10319
Tensile Strength CMD	5,5	(kn/m)	EN ISO 10319
Elongation MD	60	(%)	EN ISO 10319
Elongation CMD	70	(%)	EN ISO 10319
CBR Puncture	0,9	(kn)	EN ISO 12236
Cone drop test resistance	35	(mm)	EN ISO 13433
Pyramidal puncture resistance	15	(kn)	EN ISO 14574
Characteristic opening size	120	(um)	EM ISO 12956
Vertical Permeability Vih50	110	(m/s)	EM ISO 11058

Note: Average deviation shall be +/- 10% of the above values

Installation

Roll out onto the prepared ground that is free from sharp objects. The material should be overlapped by 150-300mm, larger overlaps may be required on very weak soft ground. Place the backfill in layers and compact.

Do not run construction traffic directly onto the Geotextile.

Always maintain at least 200mm of cover.

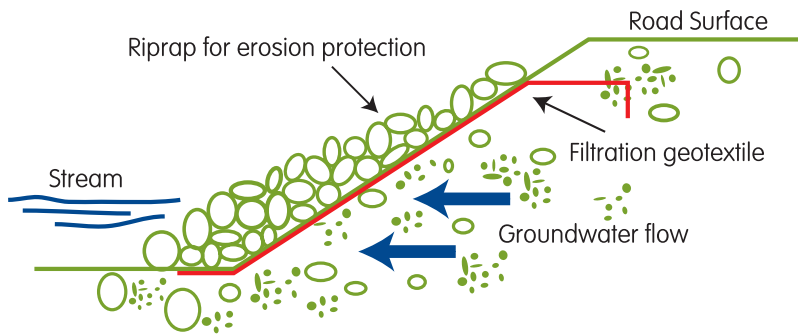
Suitable backfill comprises, soil, sand, gravel, crushed stone or brick.

Supply

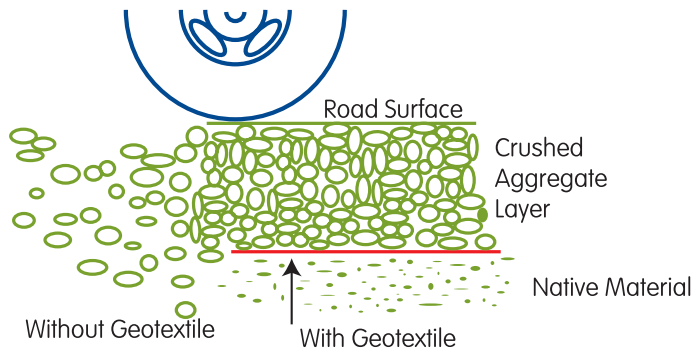
Geotec Non-Woven Textile is supplied in 5.25 mtr x 100 mtr rolls (48 kgs) 2 x 100 mtr rolls (18.5kgs) .

Geotec Non-Woven Textile is inert and does not present a health hazard and no special precautions are necessary.

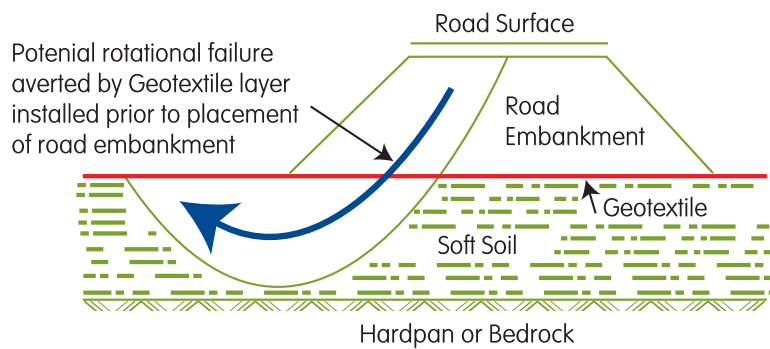
Please note the rolls do weigh more than 25 kilos so may need 2 persons when lifting.



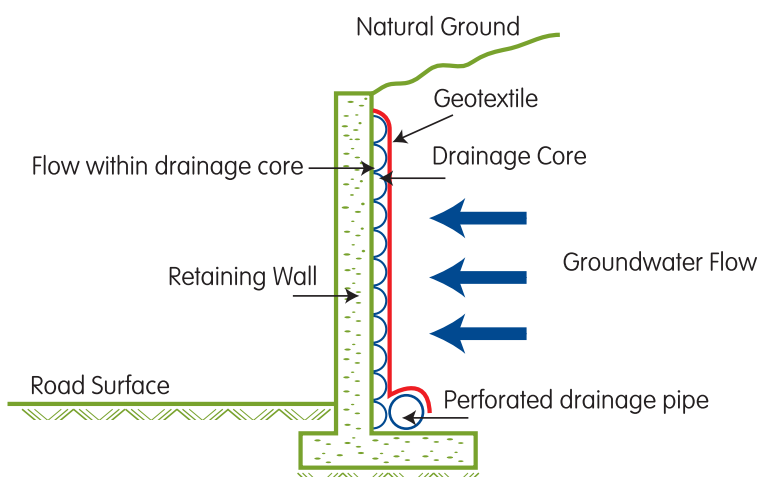
Geotec material used with riprap allows water movement while preventing movement of soil particles.



Geotec material provides separation, which preserves the integrity and extends the life of the road surface layer.



Geotec material under the roadbed reinforces soft soil and preserves the road embankment.



Composite Geotec material allows water flow within the plane of the material, rather than across it, such as behind a retaining wall.

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