

TECHNICAL DATASHEET

TNW1100T NON WOVEN GEOTEXTILE

PRODUCT DESCRIPTION

The TNW range of Nonwoven Geotextiles have been designed to offer optimum performance per unit weight. Their resulting mechanical robustness and excellent hydraulic properties make them the ideal choice for separation and filtration. Produced on state of the art equipment, the TNW geotextile range sets standards in terms of quality and mechanical performance.

Typical applications for TNW non woven geotextiles include:

- As a general purpose separator for use under site access roads and areas of hardstanding.
- As a separation and strengthening layer under new roadways, car parks, industrial units etc.
- As a filter surround in the construction of a French drain or granular drainage blanket.
- For separation: to prevent the intermixing of dissimilar soil layers.
- For filtration: to allow the passage of fluids whilst preventing the uncontrolled passage of soil.



MECHANICAL PROPERTIES	TEST METHOD	UNITS	TNW1100T
TENSILE STRENGTH - MD	BS ISO 10319	kN/m	8.0
TENSILE STRENGTH - CD	BS ISO 10319	kN/m	8.0
ELONGATION - MD	BS ISO 10319	%	90
ELONGATION - CD	BS ISO 10319	%	65
STATIC PUNCTURE RESISTANCE	BS ISO 12236	N	1500
CONE DROP RESISTANCE	BS ISO 13443	mm	26
OPENING SIZE (O ₉₀)	BS ISO 12956	µm	120
WATER PERMEABILITY NORMAL TO THE PLANE dh=50mm	BS ISO 11058	l/(m ² .s)	130
WATER PERMEABILITY IN THE PLANE	BS ISO 12958	10 ⁻⁴ l/(m.s)	6
THICKNESS at 2kPa	BS ISO 9863-1	mm	0.8
MASS	BS ISO 9864	g/m ²	105
LENGTH		m	100
WIDTH		m	4.5

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.
7. MD...Machine direction CD...Cross direction

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