



Product Description

The TNW range of Staple Fibre Needle Punched and Thermally Bonded 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 thermally bonded 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	TNW1000T
Tensile Strength – MD	EN ISO 10319	kN/m	6.2
Tensile Strength - XD	EN ISO 10319	kN/m	7.2
Elongation at break - MD	EN ISO 10319	%	90.0
Elongation at Break - XD	EN ISO 10319	%	65.0
CBR Puncture Resistance	EN ISO 12236	N	1050
Dynamic Cone Drop	EN ISO 13443	mm	32.0
Hydraulic Properties	Test Method	Units	TNW1000T
Characteristic Opening Size	EN ISO 12956	µm	140.0
Permeability	EN ISO 11058	m/s	120 x 10 ⁻³
Waterflow normal to the plane	EN ISO 11058	l/m ² .s	120
Waterflow in the plane	EN ISO 12958	m ² /s	1 x 10 ⁻⁷
Physical Properties	Test Method	Units	TNW1000T
Thickness under 2 kPa	EN ISO 9863-1	mm	0.80
Weight	EN ISO 9864	g/m ²	80
Roll Size		m	4.5 x 100m

1. TCS Ltd reserves the right to alter product specifications without prior notice.
 2. It is the responsibility of all users to satisfy themselves that the above data is current.
 3. The above figures are average values obtained from testing to current EN geotextile test standards.
 4. Although not guaranteed, these results do to the best of our knowledge, offer a true and accurate record of the products performance.
 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.