

Wool + Hemp Geotextile

Product Details:

Dimensions:

Width: 0.5 - 6.0m
Length: 20m - 100m
Weight: 300 - 900gsm
MOQ: 40sqm

Hemp has been used for hundreds of years for its strength, durability, and versatility. It is well known for its excellent ability to sequester large quantities of carbon from the atmosphere, it is fast growing, and is an ideal rotational crop for soil recovery.

Features:

Biodegradable:

Hemp/Wool Geotextile is 100% biodegradable over a period of 18-24 months (500gsm). All micro-fibre released into the environment biodegrades substantially faster than the structural fabric. Different micro-climates affect biodegradability so please talk to us first about your project!

Water Permeable:

Hemp/Wool Geotextile is fully water permeable (111L/m³/s) and prevents water pooling and premature biodegradation.

Local:

Hemp and wool fibre are both sourced from the Canterbury region and are processed and manufactured in Canterbury. Hemp/Wool Geotextile is not subject to overseas supply chain issues, foreign exchange rates or overseas production limitations. The production and harvest is also subject to New Zealand labour and environmental regulations.

Material Test Data:

Maximum Force	(AS 2001.2.3.2-2001 - Tear Test Grab Method): Warp 243N, Weft 214N
Maximum Force	(AS 3706.3-2012 - Tear Test Trapezoidal Method): Machine: 86N, Lateral: 85N
Bursting Pressure	(AS 2001.2.3-1990 - Burst Test): 708kPa (7.2kg/cm ²) SD: 145.9 CV% 20.6
California Bearing Ratio	(AS 3706.4-2012 - CBR Plunger Method): Burst 0.5kN, Extension: 75%, Seating-in Extension: 1%
Puncture Resistance	(AS 3706.5-2000 - Cone Drop Method): d500: 21, h50: 1980mm
Pore Size Distribution	(AS 2706.7-2104 - Dry Sieving Method): 0.220 (µm)
Flowrate	(AS 3706.9-2012 - 100mm Water Head Method): Flow Rate: 111 L/m ² /sec
Permiability	(AS 3706.9-2012): Permittivity (s ⁻¹): 1.11, Coefficient of Permittivity (10 ⁻⁴ m/s): 46.7