



Wallbarn - Technical Datasheet

Geotextile PECT 300 GSM



1m x 50m Roll: GE-PE-PECT-0300-MINI-Z

2m x 50m Roll: GE-PE-PECT-0300-Z

Widths of 3, 4, 5 & 6 metres available on special order.

Product Description

Nonwoven geotextile made with polyester, needle punched and calandered. Produced **without using of any glues or chemical binders** and postconsumer raw material. Ideal as a separation, filtration or protection membrane on domestic projects.

Made from recycled, multi-coloured, polyester fibre. Specific weight of polymer is 0.38 kg/dm³.

Wallbarn Ltd
Unit 16 Capital Business Centre
22 Carlton Road, South Croydon. CR2 0BS

IMS.T.1036.v1

Phone : 0208 916 2222 Email : sales@wallbarn.com Website : www.wallbarn.com



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Physical Properties	Standard	Value	Units	Tolerance %	Tolerance Units
Mass per unit area	EN ISO 9864	300	g/m ²	+/- 10	+/- 30
Thickness at: 2 kPa	EN ISO 9863-1	1.20	mm	+/- 20	+/- 0.24

Mechanical Properties	Standard	Value	Units	Tolerance	Tolerance Units
Tensile Strength	EN ISO 10319 MD	2.4	kN/m	-15	-0.4
	EN ISO 10319 CMD	2.5	kN/m	-15	-0.4
Elongation at maximum load	EN ISO 10319 MD	50	%	+/- 30	+/- 15
	EN ISO 10319 CMD	60	%	+/- 30	+/- 18
Static puncture resistance (CBR)	EN ISO 12236	0.50	kN	-30	-0.15
Dynamic puncture resistance	EN ISO 13433	36	mm	+30	+11
Pyramidal puncture resistance	EN 14574	200	N	-20	-40

µm = Micrometre

mm/s = Millimetre per second

kJ/m² = Kilojoule per square metre

MD = Machine Direction/Longitudinal

kg/dm³ = Kilogram per cubic decimetre

kN = Kilonewton

mm = Millimetre

g/m² = Gram per square metre

kN/m = Kilonewton per metre

m³/ms = Cubic metre per millisecond

CMD = Cross Machine Direction/Trasversal

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Hydraulic Properties	Standard	Value	Units	Tolerance	Tolerance Units
Velocity index	EN ISO 11058	60	mm/s	-30	-18
Characteristic opening size	EN ISO 12956	55	µm	+/- 30	+/- 17

Durability Properties	Standard	
Weathering resistance	EN 12224	To be covered within 15 days from the day of installation.
Service Life		Forecast minimum durability of 5 years in natural ground with 4<pH<9 and soil temperature < 25°C.

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CMD = Cross Machine Direction/Trasversal

The values given are an average obtained in our laboratories and in official testing institutes.

The confidence level is 95%.

We reserve the right to make changes at any time without notice.

The material is produced according the quality management system of EN ISO 9001:2008.

Please refer to [GRO code](#) and other relevant building regulations before specifying.

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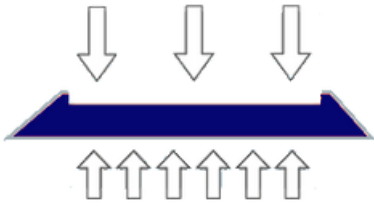
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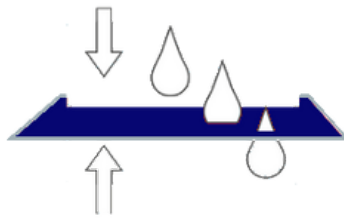
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MAIN FUNCTIONS



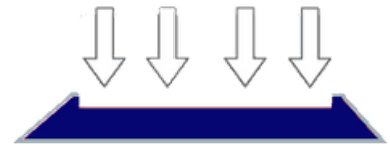
SEPARATION

Separation & retaining of soil and/or filling materials to stabilise groundworks



FILTRATION

Retaining soil or other particles while allowing the passage of moisture



PROTECTION

Preventing compression or puncture damage to delicate membranes beneath



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