URTEX PES-V

SINTEC
your waterproofing partner

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DESCRIPTION

URTEX PES-V is a punctured woven non woven geotextile 100% polyester.

PROPERTIES

- REINFORCEMENT: antipuncturing protection for the waterproofing membrane.
- FILTRATION AND DRAINING: using its cross permeability, allows the passage of water for drainage, retaining fine soil particles.
- SEPARATION: prevents mixing of different soil particles. Prevents contact between incompatible materials. Acts as permeable barrier between floors of different structure.
- BIOLOGICAL RESISTANCE: not affected by bacteria and fungus.
- Has no nutrients, so it is not attacked by rodents and termits.

APLICATION

Geotextiles and related products for application:

- in the construction of roads and other traffic areas
- in railway constructions
- in earthworks, foundations and containment structures
- in drainage systems
- in works for erosion control
- in the construction of reservoirs and dams
- in the construction of channels
- in the construction of tunnels and underground structures
- in solid waste landfills
- in liquid waste container projects

USES

"F", "F + S", "F + S + D" and "P" (Filtration, Separation, Drainage and Protection)

INSTALLATION

- URTEX PES-V geotextile is placed loose, without tension, free of creases and wrinkles; try to place it in direct contact with the ground avoiding any empty space between the ground and the geotextile.
- Extend the material taking care of the continuity between sheets by simple overlap, seams or thermofusion.
- Minimum overlap of 50mm.

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STORAGE

Store in the original packaging and protected from the weather until its use. Avoid the passage of heavy machinery once the geotextile is installed, as it may generate breaks or displacements.

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UNE EN ISO 9864	Grams	gr/m²		120	150	200	250	300	400	500
	Composition	%		100% PES	100% PES	100% PES	100%PES	100% PES	100% PES	100% PES
UNE-EN ISO 9863-1	Thickness under 2 kPa	mm	± 15%	1,21	1,42	1,76	2,10	2,44	3,13	3,81
UNE-EN ISO 10319	Tensile Strength DM	kN/m	± 15%	1,35	1,70	2,27	2,85	4,1	4,58	5,73
UNE-EN ISO 10319	Tensile Strength DT	kN/m	± 15%	1,14	1,77	2,81	3,85	4,30	6,97	9,05
UNE-EN ISO 10319	Elongation DM	%	± 15%	15,7	18,9	24,3	29,7	35,0	45,8	56,6
UNE-EN ISO 10319	Elongation DT	%	± 15%	33,6	34,7	36,6	38,4	40,3	44,0	47,7
UNE-EN ISO 12236 (CBR)	Static Puncturing	N	- 10%	230	340	460	620	820	1334	1700
UNE-EN ISO 13433	Dynamic perforation (cone)	mm	+ 20%	–	–	–	31	27	20	15
UNE-EN ISO 12956	Open measurement	µm	± 10%	100	79	59	80	75	70	60
UNE-EN ISO 11058	Water permeability	m/s	± 10%	63x10-3	53x10-3	44x10-3	44x10-3	43x10-3	43x10-3	43x10-3
UNE-EN ISO 12958	Water flow capacity in their plane	m²/s	± 10%	4,5x10-7	9,7x10-7	32x10-7	145x10-7	169x10-7	174x10-7	179x10-7
UNE EN ISO 12226	Durability			Durability provided a minimum of 25 years in natural soils with pH between 4 and 9 and Temp under 25 ° C (EN ISO 12226)				Durability provided a minimum of 25 years in natural soils with pH between 4 and 9 and Temp under 25 ° C (EN ISO 12226)		
UNE-EN ISO 12224	Weather resistance			Must be covered 24 hours after the installation						
	Manufacturing			Needle mechanically punched geotextile, with subsequent heat treatment and calendering.						

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