TEXXAM 3000

TEXXAM 3000 Is a thermally bonded non-woven polypropilene (100%) geotextile used as a separating, filtering, drainage and protective layer for building and civil works.

ADVANTAGES

• Chemical Resistance: TEXXAM is resistant to acids and alkali commonly found in soil
• Biological resistance: TEXXAM is not affected by bacteria and fungi. It contains nutrients, so it is not attacked by rodents and termites
• Weather-resistant: for an approximate period of 1 month (UNE-EN ISO 12224)
• Shelf-life: a minimum of 25 years in natural soil with a pH between 4 and 9, and a temperature lower than 25ºC (UNE-EN ISO 12226)
• Excellent handling due to its thermo-calendared finishing.
• Limit the regrowth of weeds and prevents the mixing of aggregates

APPLICATION

• Filtration: using its transverse permeability, allows us to pass water through its ducts, retaining fine soil particles; this is achieved depending on the pore size
• Separation: prevents mixing of particles from different soils. Prevents contact between non compatible materials. Acts as permanent barrier between materials with different structures
• Drainage: leads away both water and liquids and gases in industrial facilities or landfills due to its transmissivity (permeability in the plane). Removes excess water in soils, usually associated with large capacity geocomposite construction
• Reinforcement: provides tensile strength for road embankments and slopes and green walls.

REGULATIONS

• In accordance with standards: UNE-EN 13249:2001, UNE-EN 13250:2001, UNE-EN 13251:2001, UNE-EN 13252:2001, UNE-EN 13253:2001, UNE-EN 13254:2001, UNE-EN 13255:2001, UNE-EN 13256:2001, UNE-EN 13265:2001, UNE-EN 13265:2001. Certified with CE marking No. 0099/CPR/A42/0098 - 0099

TEXSA SYSTEMS SLU reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to inappropriate use of the product. The values shown in the technical sheet are the mean values from tests in our lab.

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PACKAGING AND STORAGE

Roll	TEXXAM 700	TEXXAM 1000	TEXXAM 1500	TEXXAM 3000
Width (m)	2.2	2.2	2.2	2.2
Length (m)	175	150	125	100
Weight (kg)	35	40	47	55

TECHNICAL PROPERTIES

PROPERTIES	Unit	Test Method	TEXXAM 700	TEXXAM 1000	TEXXAM 1500	TEXXAM 3000
Thickness 2 kPa load	mm	UNE EN ISO 9863-1	0.95	1.05	1.25	1.6
Maximum tensile	kN/m	UNE-EN ISO 10319	6.5	9	12.5	19
Elongation at break	%	UNE-EN ISO 10319	40	40	50	60
Static puncture resistance (CBR)	N	UNE-EN ISO 12236	1100	1500	2250	3350
Dynamic perforation (cone drop)	mm	UNE-EN ISO 10319	40	25	22	14
Average pore size ø90	mm	UNE-EN ISO 12956	90	65	60	60
Permeability H50	m/s	UNE-EN ISO 11058	116 ·10-3	114 ·10-3	94 ·10-3	65·10-3

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