



IzoTeknik

Protector and Moisture
Retaining Non-Woven Geotextile

IzoTeknik Protector and Moisture Retaining Non-Woven Geotextile is a non-woven textile product in dark color which is produced by the method of knitting the pure polyester-based fibers much thinner than millimeter and by executing heat treatment.

Fields of Application

- Thanks to its high puncture resistance; it protects the underlying materials against impacts by being used on thermal insulating boards for terrace roof applications, and it allows diverse operations with materials and prevents the flow of cement slurry down.
- It is used on the building foundations to preserve water insulation applications thanks to its pressure distribution effect.
- It protects the geo-membranes used outdoors against any tear or impairment caused by puncture and excessive friction.
The geotextile taken on the prepared surface in the form of rolls should be spread tensely for full contact with the surface. In order to prevent the slippage of the geotextile during the filling process, it should be applied under the previous geotextile with an overlap of minimum 25 cm.

Advantages

- Produced by using pure fiber.
- Its structure ensures homogenous dispersion of fibers thanks to tight knitting and advanced production technology.
- With the possibility of production up to 6 m width; it saves on materials and workmanship with minimum overlapping in large areas, and offers quick application benefits.



Technical Specifications

Test	Standard	Unit	Value	Value	Value
Weight	TS EN ISO 9864	gr/m ²	300	400	500
Thickness (at 2 kPa)	TS EN ISO 9863-1	mm	1.6	2.5	3.2
Tensile Strength	TS EN ISO 10319	kN/m	5.5	7.5	10
Elongation at break	TS EN ISO 10319	%	40-80	40-80	40-80
Static Puncture	TS EN ISO 12236	N	1100	1300	1600
Dynamic Puncture	TS EN ISO 13433	mm	33.5	22	16
Water Permeability, V _{H50}	TS EN ISO 11058	l/m ² s	38	45	40
Characteristic Opening Size O ₉₀	TS EN ISO 12956	mm	0.060	0.050	0.040

