

Technical Data Sheet

AWAZEL TEX 140

High performance, needle punched, non -woven Geotextile fabric

Description

Geo-textile fabric is a high performance polymeric non -woven stable fiber based on polyester with a high degree of dimensional stability . It is used as a separation , filtration and moisture barrier .

Features

- Excellent resistance to chemical Compounds and salts normally present in the soil .
- Excellent UV resistance
- Durable and easy to install
- Remarkable resistance to aggressive attacks of salts and chemicals
- Good tear and puncture Resistance

Function

Geotextiles are used to provide protection filtration ,separation , reinforcement and drainage functions in soil , rock and waste materials .They are also specifically used as separation and protection layers within structural waterproofing system, protection and moisture mats within the roofing system.

Instructions for Application

The geotextile fabric can be loosely laid depending on type of application and site conditions. The surface generally should be clean and free from debris and large cavity For roof applications ,geotextile should be applied upon clean substrate , either thermal insulation board or waterproofing membrane

Health & Safety

All safety measures should be taken during application. Fire extinguishers should be available on the site .workers should wear personal protective tools such as gloves and goggles during application .

Packing

It is produced in rolls of 3x 100 meters; the rolls are wrapped with double PE foil.

Storage & Material Handling

The rolls should always be stored in a shaded area. The rolls shouldn't be left on direct sunlight over 14 days .

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TECHNICAL DATA

Properties	Standard	Unit	AWAZELTEX 140
Mechanical properties			
Wide width Tensile	ASTM D 4595	Kn/m	5.0
Elongation	ASTM D 4595	%	>50
Grab Tensile Strength	ASTM D 4632	N	325
Grab Tensile Elongation	ASTM D 4632	%	> 55
Trapezoidal Tear Strength	ASTM D 4533	N	130
Puncture Strength (CBR)	ASTM D 6241	N	950
Physical properties			
Mass/unit Area	ASTM D 5261	GSM	140
Thickness	ASTM D 5199	mm	1.2
Hydraulic properties			
Flow Water Rate- 5cm head	ASTM D 4491	l/m ² /s	90
AOS	ASTM D 4751	microns	90
Roll dimensions			
Roll Width X length	-	m	3X100

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