

BUILDTEx

Non woven polyester geotextile mat

DESCRIPTION

BUILDTEx 120/150/160/180/200/250 geotextiles are multipurpose, high strength, dimensionally stable non woven polyester mat widely used in the roofing & hydraulic structures.

USES

Filtration : Allows the passage of water while retaining the dirt & silt mainly for terrace gardens.

Bonding : Acts as a bonding layer between the waterproofing membrane and the screed or concrete on terrace.

Separation : Prevent mixing between two substances thus allowing the free movement of adjacent materials.

Protection : Preserve membrane, insulation boards from being punctured or damaged. They can be very effective on horizontal surfaces in underground waterproofing using geotextiles.

Soil Stabilization : Activate proper drainage and load stress dispersion. Excellent stabilizing material for road construction, landscaping, water channels, hydraulic movements as it reduces soil erosion. Prevents the reduction of bearing capacity by preventing the mixing of fine-grained sub grade with the aggregate base.

CHARACTERISTICS:

- ❖ High Tensile Strength
- ❖ Good Elongation
- ❖ Outstanding puncture Resistance
- ❖ Chemical resistance to salt, surface acides & alkalis present in the soil
- ❖ Good porosity
- ❖ Rotproof
- ❖ Dimensionally stable against thermal changes
- ❖ Eco friendly
- ❖ & UV Resistant.

PROPERTIES

Sr. No.	PROPERTIES	BUILDTEx	BUILDTEx	BUILDTEx	TEST METHODS
		120	150/160	180	
1.	Density, kg/m ³	1.38	1.38	1.38	EN 29073-1
2.	Weight, gms	120	150	180	
3.	Thickness, mm	1.00	1.10	1.25	
4.	Tensile Strength N/5cms	65	120	190	ASTM D4632
	Longitudinal	69	110	200	
	Transverse				
5.	Elongation, %Longitudinal	50	62	80	ASTM D4632
	Transverse	70	74	68	
6.	Puncture Resistance, N	>120	>600	>800	EN12236
7.	Permeability				
8.	Colour	White/Black	White/Black	White/Black	