

# FIBFLEX GEO TEXTILE 150 GSM

High Strength nonwoven geotextile

Product # 114.73

Version no: 16.11.23

Technical Data

**PRODUCT DESCRIPTION:** Fibflex Geo Textile 150 GMS is a Polyester Non-Woven Geotextiles are made-up of polyester fibers. The fibers are needed to form a network that retains dimensional stability relative to each other. Fibflex Geo Textile 150 GMS is resistant to chemicals and micro-organism normally found in soils. They are stable with in a PH range 2 to 13 and resistant to short-term exposure to ultraviolet radiation.

## AREAS OF APPLICATION

- Waterproofing of underground areas.
- Sunken Areas
- Pipeline coatings
- Planter boxes/ Canal Stabilisation
- Below-ground applications
- Foundations Balcony Decks under cement screed

## ADVANTAGE

- Chemical resistance
- Quick and easy installation.
- Flexibility and adaptability
- Complies to ASTM standards
- Compatible with Bitumen and asphalt

## APPLICATION

### SURFACE PREPARATION

New concrete must be minimum 28 days old and possess an open, porous and textured surface with all curing compounds and sealers removed. Old concrete must be clean and well textured. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a scabber, bushhammer, scarifier or similar equipment, which will give commensurate surface profile for the application. Coating applications should have a light scarifier appearance while topping applications should have the surface of the concrete, profiled to expose the large aggregate of the concrete. The final step in cleaning should be the complete removal of all residues with a vacuum cleaner or pressure washing. Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salts of the reaction must be thoroughly pressure washed away. Allow the concrete to dry completely.

### APPLICATION

The installation is simple. Unroll the Fibflex Geo Textile 150 GMS roll and allow to rest at location for 30 mins – flattening the sheets out. Spread membrane avoid air Pockets and wrinkles and make sure that the overlapping 5cm to 10cm minimum is required.

## TECHNICAL SPECIFICATIONS

Fibflex Geo Textile 150 GMS				
	Properties	Test Method	Unit	Value
<b>Physical</b>	Mass Per Unit Area	ASTM D 5261	g/m <sup>2</sup>	155
	Thickness	ASTM D 5199	mm	1.8
	Length		mtr	150
	Width		mm	1500
<b>Durability</b>	Predicted to be durable for minimum of 10 years in natural soil with 4<PH<9 and soil temperatures <25 Degree C			
<b>Mechanical</b>	Tensile Strength CD	ASTMD4595	KN/m	22
	Elongation at break	ASTMD4595	%	65
	Grab Tensile Strength CD	ASTM D 4632	N	905
	Tear strength	ASTM D 4533	N	460
	Rod puncture	ASTM D 4833	N	2850
	Permeability	ASTM D 4491	Lt/m <sup>2</sup>	95
	UV Resistance	ASTM D 4355	%	73
	Apparent	ASTM D 4751	Microns	75

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## PACKAGING

Fibflex Geo Textile 150 GMS is available in 1.5m x 150 m rolls.

# FIBFLEX GEO TEXTILE 150 GSM

High Strength non woven geotextile Sheet

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# Data Tech

## STORAGE

Fibflex Geo Textile 150 GMS has shelf life of 5 years if stored properly in original, unopened packing between +5°C to + 40°C in dry areas.

## NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

## HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

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