

HIGH STRENGTH NON-WOVEN POLYESTER BASED GEOTEXTILE

Description

FCSC Geotextile 200 is a non-woven geotextile, based on 100% polyester fibres by irregular cut and length, mechanically bonded by needle-punching without any chemical or thermic treatment.

Uses

FCSC Geotextile 200 is a non-woven geotextile, non UV resistant, used as:

- Levelling layer
- Separation layer
- Protection layer.

Advantages

- 100% polyester (PET)
- Bitumen resistant
- Non decaying
- Long lifespan
- Ease of application

Technical Data

Composition	Polyester
Packaging	Rolls are wrapped individually in PE-foil.
Appearance / Colour	Multicolour
Shelf life	5 years from date of production
Length	100 m (±2 %)
Width	2,2 m (±2 %)
Mass per unit area	200g/m ² (± 10 %)
Resistance to static puncture	Static Puncture Test CBR: 240 N (-20) (EN ISO 12236)
Resistance to dynamic puncture	Dynamic perforation test cone drop test: 35,0 mm (± 5)
Tensile strength Longitudinal Transversal	EN ISO 10319 1,5 kN/m (-0,2) 2,0 kN/m (-0,3)

Tensile strain at break Longitudinal Transversal	EN ISO 10319 100 % (±25 %) 100 % (±25 %)
Water permeability	EN ISO 11058 Water permeability characteristics normal to plane, ViH50: 80 l/s m ² (-24)
Water Flow Capacity	EN ISO 12958 Water flow in the plane (20 kPa, i=1) 3,8 * 10 ⁻⁶ m ² /s

Application Methodology

The installation is simple. Unroll the FCSC Geotextile 200 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.

Packaging

FCSC Geotextile 200 is available in 2m x 100 m rolls.

Storage & shelf life

FCSC Geo Textile 200 has shelf life of 5 years if stored properly in original, unopened packing between +5°C to + 40°C in dry areas.

Limitation

Do not apply during rains or extreme temperatures. Avoid abuses which may lead to puncturing of membrane. Ensure that the product is applied at least 6 inches inside the drain pipe. Apply parapet to parapet to envelope the entire building for long term performance.

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Safety precautions

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.

Note

All Technical Data Sheets of FIRSTCHOICE SPECIALITY CHEMICALS are updated on regular basis; it is the user's responsibility, to obtain the most recent issue. Field services where provided, does not constitute supervisory responsibility, for additional information contact our local representative.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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