

### 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 <sup>2</sup> (± 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 <sup>2</sup> (-24)
Water Flow Capacity	EN ISO 12958 Water flow in the plane (20 kPa, i=1) 3,8 * 10 <sup>-6</sup> m <sup>2</sup> /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

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