

REC GEOTEXTILE 200

PROTECTION GEOTEXTILES

DESCRIPTION

REC GEOTEXTILE 200 is mechanically bonded (needle-punched) continuous- filament non woven manufactured from UV-stabilized polypropylene. They have been developed to protect geo membranes from damage by the sharp edges of the stone fill.

Mechanical properties guarantee strong resistance to installation damage, excellent hydraulic properties and long-term performance.

PRIMARY APPLICATIONS

- Separation for infrastructure projects
- Membrane protection
- Filtration layer for rock Armour or rip rap layers
- Tunnel lining
- Canal and reservoir lining
- Landfill base sealing
- Landfill surface drainage / sealing
- Filter drain wraps
- Equestrian arenas and horse training tracks

TECHNICAL INFORMATION

PROPERTIES	STANDARD	SPECIFICATION
Mass per unit area	ASTM D5261, ISO 9864	200 g/m ²
Thickness	ASTM D5199	>2.5 mm
Wide Width Tensile Strength (Elongation @ Break)	ASTM D4595 BS 6906/1, ISO 10319	22 KN/m (40%)
CBR Puncture Strength	GRI GSI BS 6906/6, ISO 12236	3350 N
Cone Drop	ASTM D4533 BS 6606/6, ISO 13433	<17 mm
Pore Size (090)	ISO 12956	≤ 95 mm
Permeability	ISO 11058 BS 6906/3	≥ 55 l/m ² /sec 203 l/m ² /sec
UV Resistance	ASTM D4355	70%

FEATURES/BENEFITS

- **REC GEOTEXTILE 200** maintain the permanent sealing function of synthetic geo membranes
 - **REC GEOTEXTILE 200** prevent direct puncturing of the geo membrane by the sharp edges of the stone fill. Thanks to a combination of product thickness and stiffness, pressure and friction stresses which can damage geo membranes are significantly reduced.
 - **REC GEOTEXTILE 200** offer a high tensile strength at low strain. This supports the protection function as the thickness is maintained even when the geo textile experiences high tensile forces. In addition this takes stress loads from the geo membrane and reduces the danger of sliding especially on slopes.
- **REC GEOTEXTILE 200** have a drainage function as below:

- The high in-plane-flow of **REC GEOTEXTILE 200** throughout the thickness of the material allows water and gas to drain. Decades of experience in tunnel construction with this material have shown that **REC GEOTEXTILE 200** replaces the need for drainage material around the tunnel lining.
- **REC GEOTEXTILE 200** are robust and long-lasting
 - **REC GEOTEXTILE 200** is resistant to all chemical and biological media usually occurring in soils and construction materials. It cannot be dissolved by water and therefore is harmless to ground water.
 - **REC GEOTEXTILE 200** are equipped with a UV-stabilizer, providing extended resistance to direct sunlight.

PACKAGING

REC GEOTEXTILE 200 is available in 100m Rolls.

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