

NEEDLE PUNCHED GEOTEXTILES

POLYPROPYLENE AND POLYESTER

APPLICATIONS AND ADVANTAGES:

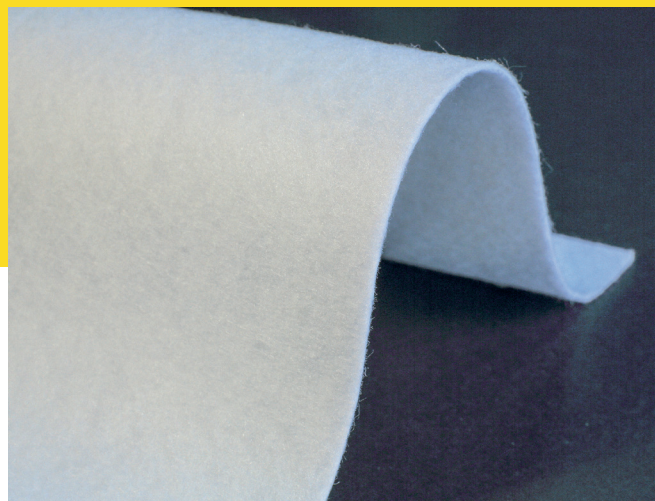
APPLICATIONS

Needle punched geotextiles are irreplaceable for ground stabilization, preventing material mixing as well as filtration and stabilization of the ground and the structure. The ones mostly used are polypropylene textiles (PP), as they are 2 to 6 times stronger than polyester geotextiles (PES).

ADVANTAGES

- ▶ forms a barrier between particular ground layers, prevents their mixing
- ▶ ensures a maintained stability and load capacity of the ground and the structure
- ▶ owing to its hydraulic properties, it is applied in ground structure drainage
- ▶ reinforces a low-bearing soil and stabilizes the ground

It is additionally used as a material protecting the geomembranes from puncture and damage



TECHNICAL DATA

	polypropylene	polyester
Weight	90-1200 g/m ²	100-1200 g/m ²
Material	100% polypropylene	100% polyester
Tensile strength (EN ISO 103019)	8-70 kN/m ² 8,2-75 kN/m ²	1,3-11,8 kN/m ² 1,9-12,7 kN/m ²
Filtration opening (EN ISO 12956)	110-70 µm	50-40 µm
Dynamic perforation strength (EN 13433)	28-0 mm	49-8,0 mm
Length	min. 50 m, max 200 m	
Width	min. 1 m, max 6,2 m	

CHEMICAL REISTANCE

It is resistant to chemical substances, fungi, roots and bacteria present in the ground. It is completely neutral to the natural environment.