

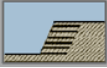
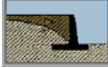
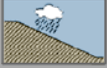
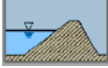
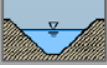





# TECHNICAL DATASHEET

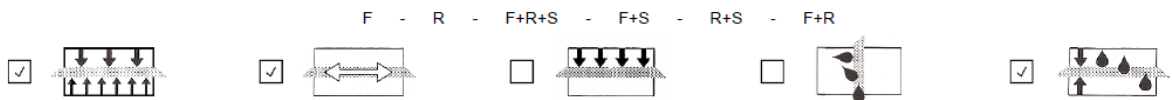
## GEOFELT PE-R 200



Non woven Geotextile manufactured from polyester fibers, only needlepunched.  
Suitable for the following applications:

- |                                     |   |   |                                     |   |  |
|-------------------------------------|---|---|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> |  | <b>EN 13249:2000+A1:2005</b> Characteristics required for use in the construction of roads and other trafficked areas.        | <input checked="" type="checkbox"/> |  | <b>EN 13250:2000+A1:2005</b> Characteristics required for use in the construction of railways.                           |
| <input checked="" type="checkbox"/> |  | <b>EN 13251:2000+A1:2005</b> Characteristics required for use in earthworks, foundations and retaining structures.            | <input type="checkbox"/>            |  | <b>EN 13252:2000+A1:2005</b> Characteristics required for use in drainage systems.                                       |
| <input checked="" type="checkbox"/> |  | <b>EN 13253:2000+A1:2005</b> Characteristics required for use in erosion control works (coastal protection, bank revetments). | <input checked="" type="checkbox"/> |  | <b>EN 13254:2000+A1:2005</b> Characteristics required for use in the construction of reservoirs and dams.                |
| <input checked="" type="checkbox"/> |  | <b>EN 13255:2000+A1:2005</b> Characteristics required for use in the construction of canals.                                  | <input type="checkbox"/>            |  | <b>EN 13256:2000+A1:2005</b> Characteristics required for use in the construction of tunnels and underground structures. |
| <input checked="" type="checkbox"/> |  | <b>EN 13257:2000+A1:2005</b> Characteristics required for use in solid waste disposal.  | <input checked="" type="checkbox"/> |  | <b>EN 13265:2000+A1:2005</b> Characteristics required for use in liquid waste containment projects.                      |

Functions:



Characteristic	Test Method	Unit	Nominal Value	Tolerance	
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	200	-20	
Thickness	EN ISO 9863-1	mm	1,00	-0,20	
Wide-Width Tensile Strength	EN ISO 10319	kN/m	2 kPa	1,00	-0,50
			MD	1,00	-0,50
			CMD	1,00	-0,50
Elongation	EN ISO 10319	%	DIAGONAL	NR	NR
			MD	80,00	-20 / +20
			CMD	90,00	-20 / +20
Energy Index	EN ISO 10319	kJ/m	DIAGONAL	NR	NR
			MD	NR	NR
			CMD	NR	NR
Static Puncture Resistance	EN ISO 12236	N	250	-100	
Dynamic Perforation Test	EN ISO 13433	mm	45	+ 10	
Pyramidal Puncture Resistance	NF G 38019	kN	NR	NR	
Characteristic Opening Size	EN ISO 12956	µm	100	-30 / +30	
Permeability normal to the Plane	EN ISO 11058	m/s	0,098	-0,026	
Long Term Protection Efficiency	EN 13719	%	300 kPa	NR	NR
			600 kPa	NR	NR
			1200 kPa	NR	NR
Water Flow Capacity in the Plane	EN ISO 12958	m <sup>2</sup> /s	20 kPa - i=1	NR	NR
			100 kPa - i=1	NR	NR
			200 kPa - i=1	NR	NR
Durability Prediction	To be covered within 1 day after installation. Predicted to be durable 5 years in natural soils with 4<ph<9 and soil temperature < 25 °C				
Oxidation Resistance	EN ISO 13438	Residual Strength	MD	NR	
			CMD	NR	
Chemical Resistance	EN 14030	Residual Strength	MD	NR	
			CMD	NR	
Microbiological Resistance	EN 12225	Residual Strength	MD	NR	
			CMD	NR	

MD : Machine Direction - CMD : Cross Machine Direction - NR : Not Required for application

TOLERANCE ON ROLL WIDTH: ± 3 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m, ± 1% IF LENGTH > 200 m.  
STANDARD CORES: PAPER, DIAMETER INNER 81mm / OUTER 89mm ± 5%. TOLERANCE ON GROSS/NET WEIGHT ± 5%.  
TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT. PRESENT DATA SHEET CAN BE MODIFIED WITHOUT PRIOR NOTICE



Quality Management according to UNI EN ISO 9001:2000

The values given are indicative and correspond to average results obtained in our laboratories and independent testing institutes. The right is reserved to make changes without notice at any time.  
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