Technical Data Sheet

texsa DRENTEX IMPACT 200

Product description

DRENTEX IMPACT 200 is a sheet drain made up of a three-dimensional polystyrene structure with a polypropylene geotextile on one side.

STANDARDS

DRENTEX IMPACT 200 complies with drainage standard DIN 4095 and protection standard DIN 18195.

PROPERTIES

- The non-woven propylene acts as a water filter to prevent soil from blocking drainage, while the polystyrene dimples guide and drain off the water. The entire system drains off water and protects the waterproofing on walls, foundations, etc.
- A stable and reliable, rot-, root- and fungi-proof drainage system.
- Because all the dimples are connected directly to the geotextile structure, high compres sive strength is provided to ensure the drainage volume is not reduced by pressure from the soil.
- Easy to transport and install.

PACKAGING AND STORAGE

	Thickness of polysty-rene structure	Weight of polypropyl-ene geotextile mat	Roll dimensions
DRENTEX IMPACT 200	11.1 mm	140 g/m2	32 x 1.25 m
The product must be stored protected against weathering.			

APPLICATIONS

- Drainage of walls and floors: high water collection.
- INSTRUCTIONS FOR USE:
  - Prior to application, the wall should be protected with bituminous paint type Emufal TE (in areas with low water build-up) or waterproofed (e.g. with Texself self-adhesive products, in areas with high water build-up), given that the drainage system filters and channels water but is not a waterproofing system.
  - Drentex Impact rolls have two different sides: the top one has extra geotextile for overlapping and the bottom is smooth to ensure a perfect fit with the next roll in the overlap area.
  - Vertical Walls: The roll can be applied horizontally or vertically.
- Horizontal Application: Start application at the bottom of the wall, placing the overlap edge (extra geotextile) at the top. Fill in soil as the Drentex Impact is installed.
- Vertical Application: The overlap should follow the runoff direction. The cor rect installation of Drentex Impact 200 minimises infiltration of water behind the drainage

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Technical information

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system.

- Horizontal Applications: The overlap edge of the dimple membrane should be placed at the top, furthest from the drainage area. For horizontal applications, the drainage system should be installed with the geotextile face up. Cut the membrane and geotextile so that it adapts perfectly to the ground to be drained.
- Lastly, compact the surrounding soil to ensure optimum drainage.

TECHNICAL DATA

Polystyrene structure	
- Thickness (mm)	11.11
- Compressive strength (kN/m2)	712
Polypropylene geotextile mat	
- Weight (g/m2)	140
Characteristics of entire drainage system	
- Water build-up	High
Vertical drainage	
- Flow (L/m.sec)	
At a depth of 3m	2
At a depth of 5m	1.9
At a depth of 10m	1.8
Horizontal drainage, 2% gradient	
- Flow (L/m.sec)	
At a pressure of 10 kN/m2	0.18
At a pressure of 20 kN/m2	0.16
Horizontal drainage, 3% gradient	
- Flow (L/m.sec)	
At a pressure of 10 kN/m2	0.25
At a pressure of 20 kN/m2	0.23

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AUXILIARY PRODUCTS

PRODUCT	APPLICATION	APPROXIMATE YIELD/COVERAGE RATE	PACKAGING
Emufal TE	Bitumen emulsion for protecting walls with very low water collection	1.5 kg/m2 (apply 2 coats)	9-kg drums 24-kg drums
Texself 1.5	Self-adhesive waterproofing membrane for application on walls and foundations	1.1 m2/m2	20 x 1-m rolls
Texself FV 2C	Self-adhesive double-faced membrane for adhering Drentex Impact to walls without perforating it	· 0.03 m2/m2 cut into strips 10 cm long · 0.12 m2/m2 cut into squares of 15 x 15	15 x 1-m rolls
Fasteners	Steel nail with washer for fixing the drainage system onto wall cappings and other places where required (Type HILTI X-SW30-ZF3740643/9)	3.5 units/meter on wall capping	Boxes of 150 units

TEXSA, S.A. reserves the right to modify the data herein without previous notice and refuses all responsibility in the event of irregularities caused by incorrect use of the product. Values reflected in the technical data sheet correspond to average values obtained from tests carried out in our laboratory.

Disclaimer:

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However the client is obliged to determine himself what products are suitable for use. Accordingly, no liability will be accepted by IBC Ltd.

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