

DRENTEX IMPACT 200

Three-dimensional polystyrene drainage panel

October 2024

DESCRIPTION:

DRENTEX IMPACT 200 is a sheet drain made up of a three-dimensional polystyrene (HIPS) structure perforated or not, with a polypropylene geotextile on one or both sides.

ADVANTAGES:

- DRENTEX IMPACT sheets made up of three-dimensional polystyrene (HIPS) structure (dimple shaped) guarantee the high drainage capacity over the years, due to its elevated compressive resistance and almost no deformation.
- The non-woven propylene geotextile 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, reliable, rot, root and fungi proof drainage system.
- Because all the dimples are connected directly to the geotextile structure, high compressive strength is provided to ensure the drainage volume is not reduced by pressure from the soil.
- Easy to transport and install.

APPLICATION:

- Vertical and horizontal drainage walls and floors: low or high water collection.
- Horizontal drainage of pedestrian or wheeled trafficable roof decks: high water collection.
- Extensive green roof and area drainage.
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REGULATIONS:

- The product is CE marked according to EN 13252:2001 + A1:2005. Holds the certificate No. 0799-CPD-41
- Quality Management System according to the requirements of ISO 9001:2008 standard

PACKAGING AND STORAGE:

SPECIFICATIONS	DRENTEX IMPACT 200
Colour	Black
Filter geotextile weight (g/m ²)	PP 140
Membrane weight (g/m ²)	785 ± 2%
Build-up height at 2 kPa	12
Separation geotextile weight (g/m ²)	-
Roll dimensions (m)	1.25 x 32 ± 2.5%
m ² /roll	40
m ² /pallet	80
Roll weight (kg)	37 ± 2%

Storage: Vertically, protected against weathering and UV rays in a dry site. If product is stored in a wet area, it would increase its weight and be difficult to handle.

DRENTEX PROTECT PLUS

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TECHNICAL PROPERTIES:

Properties	UNIT	Test Method	DRENTEX IMPACT 200
Compressive strength at 10% deformation	kPa	EN ISO 25619-2	645
Tensile strength (LxT)	KN/m	EN ISO 10319	42224
CBR puncture resistance	N	EN ISO 12236	1500
Dynamic perforation (Cone drop)	Mm	EN ISO 13433	38
Drainage capacity	l/sm	EN ISO 12958	
i=1 (vert), 30 kPa (3m deep)			5.38
i=0.01, 10 kPa			0.62
i=0.01, 100 kPa			0.36
i=0.003, 10 kPa			0.95
i=0.003, 100 kPa			0.56

OTHER FEATURES:

WALL	FLOOR	PAVED DECKS	EXTENSIVES GREEN ROOFS (1)	INTENSIVES GREEN ROOFS (2)
✓	✓	Pedestrian traffic	Sloped roofs (15° - 25°)	✓

INSTALLATION:

- Wall application:
- Prior to application, the wall shall be protected with a suitable below-ground waterproofing system as this drainage system filters and channels water but is not a waterproofing system.
- Roll can be installed both, horizontally or vertically:
 - Horizontal application: Start application from 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 correct installation of DRENTEX IMPACT 200 minimises infiltration of water behind the drainage system.
- Finally, compact the surrounding soil to ensure optimum drainage.
- Horizontal application / roof decks: The overlap edge of the dimple membrane should be placed at the top, far 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.
- DRENTEXX IMPACT should not be weather exposed more than 14 days.

STORAGE AND HANDLING:

Rolls must be stored vertically in the delivery packaging, in a dry and protected environment.

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WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	Spain
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	www.soprema.com.au
Manufacturer email	info@soprema.com.au
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962