URDREN HDG 500

SINTEC
your waterproofing partner

P.I. Jundiz, C/Arroxeta, P3-4C
01015 – Vitoria (SPAIN)
Tfn: (+34) 945 244 762
Fax: (+34) 945 200 456
info@sintecproof.com
www.sintecproof.com

DESCRIPTION

URDREN 500HDG is tridimensional embossing High Density Polyethilene draining layer (HDPE) with adhered polypropylene geotextile in one side.

USE

- URDREN 500HDG is suitable for low waterflow wall draining, or roof gardens.

PROPERTIES

- Protection layer, easy to overlap.
- The non-woven polypropylene, acts as waterfilter to prevent land clogging the drainage, while the nodules of polyethylene lead and evacuate the water. The whole system works like water drainage and waterproofing protection wall.
- Drainage is stable and reliable, resistant to rot, roots and fungi..
- Good resistance to compression, land pressure almost doesn't reduce drainage volume as each node of the structure is attached directly to geotextile.
- Easy to transport and install.

INSTALLATION

- The installation of URDREN 500HDG systems should be carried out by experienced and certified installers.
- Wall / Roof must be previously protected with a bituminous paint (humid areas) or waterproofed, as the membrane drains and filters but doesn't waterproof
- URDREN 500HDG rolls can be overlapped peeling the geotextile about 10cm from the edge, fitting the nodules as buttons, and re-protecting with the peeled geotextile.
  - Vertical application: overlapping is made in the opposite sense of the water flow, in order to minimize the water filtrations backside the drain.
  - Vertical walls: roll can be horizontally or vertically installed.
  - Horizontal application: starting downside, as URDREN 500HDG is installed, land filling is performed.
- Finally, adjacent lands are compacted to ensure optimal and proper drainage.

PACKAGING AND STORAGE

Colour	Black
Dimensions	2,10 x 20 meters
Rolls / pallet	6
Storage	vertical

Store inside the original packaging, in a dry place, protected from heat

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PROPERTIES	UNIT	RESULT
PEHD		
Thickness	mm	0,8
Cone penetration	mm	8
Pore average measure	mm	0,11
Nodule high	mm	8
Weight per sqm	gr/m^2	700
Water Evacuation	l/m^2	5,5
Compression Ressistance	KN/m^2	150
Fire Behaviour.		M2
GEOTEXTILE		
Composition		Continuous filament
Composition (2)		70%polypropilene, 30%Polyethilene
Weight	gr/m^2	120
MECHANICAL AND PHYSICAL PROPERTIES		
Overall Tensile Strength (HDPE+geotextile)	N/mm	600N/60mm
Puncturing resistance	N	1500
Temperature Range	°C	-30/+80
Water absorption (DIN 53495)	Mg/d	1Mg/4d
Draining	l/s.m	5
Compression Resistance	KN/m^2	250
Geotextile permittivity	sg	4,5

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