RAYSTON DREN

Draining and protective waterproofing composite sheet

DESCRIPTION

Rayston Dren is composed of a tridimensional geonet based on high-density polyethylene fibers, with two enveloping polypropylene geotextile sheets. This geonet is made of two interlocking polypropylene threads that form a channeled profile providing a high degree of water flow, even when horizontally placed or under heavy loads.

This product is suitable for drainage works and waterproofing membrane protection in:

- Major construction works and underground structures.
- Tunnels
- Roofing

Some key benefits are:

- Excellent compression resistance, even under heavy loads
- High draining capacity.
- Easy installation. Each rolls is delivered with a 10-cm long supplementary geotextile material in order to facilitate overlapping with the following section

CERTIFICATIONS

CE Certificate of conformity

TECHNICAL DATA

PRODUCT INFORMATION		
Draining net	Description	High density polyethylene
	Black carbón content	2%
	Density	0.945 g/cm3
	Thickness at 2 kPa/200 kPa	4.2/3.8 mm
Filter	Material	Polypropylene
	Specific mass	120 g/m2
	Normal permeability	90 l/m2 s
	Pore diameter O_{90}	80-100 µm
Composite	**Specific mass**	740 g/m2
	Thickness at 2 kPa/200 kPa	4.8/4.2 mm
	Tensile strength (RT_{max}), MD/CD	19/17 kN/m
	Elongation at RT_{max} MD/CD	50/50%
	Dynamic indentation (conical indenter)	8 mm
	Static indentation (CBR)	3.6 kN
	Draining capacity MD	l/m.s i=1.0 µ= 20 kPa: 0,62 µ=50 kPa: 0,51 µ=200 kPa: 0,35 µ=400 kPa: 0,28
Packaging		Rolls 2x50 m
Storage		Keep at room temperature and avoid sudden temperature changes

ENVIRONMENTAL PRECAUTIONS

Consider waste as inert, and according to local law.

OTHER INFORMATION

The information contained in this Data Sheet, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.
We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests “on-site” in order to determine their convenience for a specific project.
Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.
This Data Sheet supersedes previous versions

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