

BIO ROOF DRAIN



Drainage and water storage sheet

DESCRIPTIONS AND APPLICATIONS

Resistant plastic sheet used for water drainage and storage in waterproofing and roofing applications. Suitable for green roof applications, helps to control water and moisture retention and provides a lighter spacing structure by replacing traditional stone-made draining layers. Available in punched and non-punched versions.

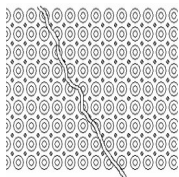
TECHNICAL DATA

PRODUCT INFORMATION BEFORE APPLICATION

Punched



Non-punched



Chemical description	High density polyethylene sheet		
Colour	Black		
Mechanical properties	Resistance compression kN/ m ² > 180	Resistance Compresión kN/ m ² > 180	
	Resistance tensile (MD) N/5cm > 500	Resistance tensile (MD) N/5cm > 500	
	Punched	No punched	
	Elongation (MD) % > 20	Elongación (MD) % > 20	
	Resistance tensile (CD) N/cm > 200	Resistance tensile (CD) N/cm > 200	
	Elongation (CD) % > 25	Elongation (CD) % > 25	
	Space between studs l/m ² 15	Space between studs l/m ² 15	
	COVER COLOUR : white		
	Dimensional data	Length: 20 m	Length : 20 m
		Width: 1,9 m	Width : 2 m
	Studs 400 ut/m ²	Studs: 400 ut/m ²	
	HDPE Thickness: 1 mm	HDPE Thickness: 1,1mm	
	Product Thickness : 20 mm	Product Thickness :20mm	
	Weight: 1000 g/m ²	Weight: 1000 g/m ²	
Packaging	Pallet height : 1,9m	Pallet height : 1,9m	
	N° of rolls/Pallet : 5	N° of rolls/Pallet : 5	
	M ² /pallet: 190	M ² /pallet: 200	
	Weight (kg / palet):200	Weight (kg / palet):210	
Storage	Keep at room temperature, in its original packaging, avoiding sudden temperature changes.		
Use before	Recommended use up to 36 months after manufacturing date.		

INSTRUCTIONS

The following drawing depicts a typical use layout



- Substrate
- Slope formation
- Primer
- Impermax (DITE 10/25 year system).
- Insulation/ drainage layer (optional)
- Drainage / wáter storage syatem. Rayston Bio-Roof Drain
- Filter mat- Geotextile layer (separation)
- Lightweight soil
- Vegetation

ENVIRONMENTAL PRECAUTIONS

Treat residues as inert waste, according to applicable 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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