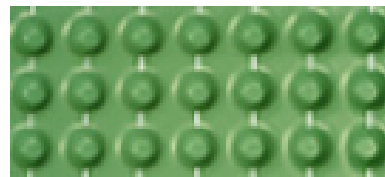




# DRAIN R20 GARDEN

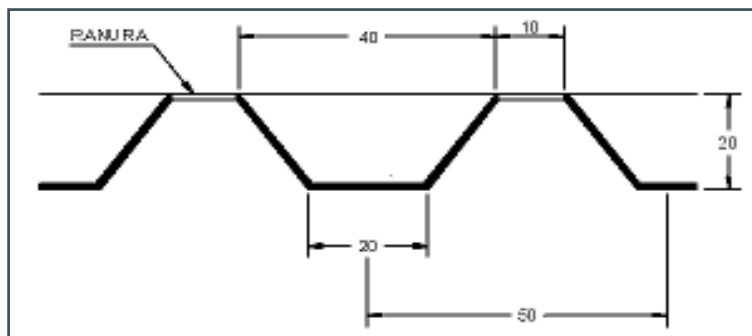
## GENERAL DESCRIPTION

Drainage membranes **ESHADRAIN R20 GARDEN** consists of perforated High Density Polyethylene (H.D.P.E) nodular sheet in green colour. The drainage capability of membranes **ESHADRAIN R20 GARDEN** is based on the existence this nodular configurations that creates the appropriate drainage in order to control the water out. The nodule is 20mm high and it is equipped with water retainers.



## TYPICAL APPLICATIONS

It is used on an ecological landscape cover in all types of buildings as a water retainer. The cuts/slots, which are situated in the upper layer, work as overflow when the water level exceeds the storage capacity of the nodules, thereby regulating the amount of water retained by the system.



## PRESENTATION

PRESENTATION	VALUE	UNIT
Length	20	m
Width	2	m
Sheet Thickness	0.87 ± 0.05	mm
Nodule Height	20	mm
Roll Surface	40	m <sup>2</sup>
Roll Weight	34.20	Kg



## DRAIN R20 GARDEN

### ADVANTAGES

- It solves in thickness and in reduced loads the drainage problem and the water retention on green roofs.
- The ecological roof is a green roof that besides the own advantages of all green roofs (regulates the microclimate, softens the environment noise, integrates the building in the environment, etc.) it has very little thickness, is lighter and requires low maintenance.
- In this type of roofs the water intake is minimal; therefore the use of water retainers is essential. **ESHADRAIN R20 GARDEN** has grooves in the superficial surface where the water surplus evacuates from the nodules, which are the genuine storage of the water system.

### PRESENTATION

- Limits the overloading on the roof with respect to the traditional drainages of the gravel of at least 10 cm. thickness.
- Allows the transformation of traditionally concreted or paved surfaces in green spaces.
- Great water reserve capacity.
- Great durability of the drainage system, preserving its initial properties along the time, which entails savings in the maintenance.
- Maintains the mechanical performances and water storage along the time.

### TECHNICAL CHARACTERISTICS

PHYSICAL PROPERTIES	VALUE	UNIT	NORM
Number of Nodules	400	Nodules / m <sup>2</sup>	---
Compressive Resistance	> 150	KN/m <sup>2</sup>	UNE-EN-ISO-64
Drainage Capacity approx.	20	l / (sm)	---
Water Reservoir approx.	5.7	l / m <sup>2</sup>	---
Temperature Range	-30 to +80	°C	---

The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.

#### Alfa-Alfa Energy A.B.E.E.

ΑΘΗΝΑ ΓΡΑΦΕΙΑ / ΕΡΓΟΣΤΑΣΙΟ: Παραλία Ασπροπύργου 193 00 Ασπρόπυργος Αττικής  
T 210 5518 700, F 210 5572 974 | ΘΕΣΣΑΛΟΝΙΚΗ ΓΡΑΦΕΙΑ / ΑΠΟΘΗΚΗ: Ηπείρου 18, 570 09  
Καλοχώρι Θεσσαλονίκης, T 2310 783 725, F 2310 783 326 | www.asha.gr • info@asha.gr



ISO 14001 ISO 9001