

# SOPRANATURE SOPRADRAIN ECO-5



VEGETATIVE SOLUTION

APPLICATIONS

ROOFS

PLAZA-DECKS

TECHNICAL DATA SHEET 221018SCANE

(supersedes 220429SCANE)

## DESCRIPTION

SOPRADRAIN ECO-5 is a drainage panel composed of polypropylene dimpled core onto which a fabric made of a spunbonded non-woven polypropylene fibers is factory-laminated. SOPRADRAIN ECO-5 provide drainage of water for SOPRANATURE green roofs, roof gardens and plaza-decks systems.

## INSTALLATION

Unroll the drainage panel SOPRADRAIN ECO-5 directly on the surface making sure that the overlapping of the fabric is well done between each drainage panels.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

## PACKAGING

| Specifications    | SOPRADRAIN ECO-5                               |
|-------------------|--|
| Dimensions        | 1.83 m x 20 m (6 x 65.5 ft)                    |
| Coverage per roll | 36.6 m <sup>2</sup> (393 ft <sup>2</sup> )     |
| Thickness         | 8 mm (5/16 in)                                 |
| Weight            | 1 kg/m <sup>2</sup> (0.17 lb/pi <sup>2</sup> ) |

(All values are nominal)

## PROPERTIES

| Properties                             | Standards                                | SOPRADRAIN ECO 5 (drainage core)                        |
|--|--|---|
| Material                               | -  | Polypropylene   |
| Colour                                 | -  | Grey  |
| Compressive Strength                   | ASTM D 1621                              | 250 kPa (5 200 psf)                                     |
| Maximum In-Plane Flow Rate             | ASTM D 4716<br>(Hydraulic gradient of 1) | 155 L/min•m (12.5 gal/min•ft)                           |
| Properties                             | Standards                                | SOPRADRAIN ECO 5 (fabric)                               |
| Material                               | -  | Spunbonded non-woven polypropylene                      |
| Apparent Opening Size                  | ASTM D 4751                              | 0.18 mm (80 sieve size)                                 |
| Water Flow Rate                        | ASTM D 4491                              | 2850 L/min•m <sup>2</sup> (70 gal/min•ft <sup>2</sup> ) |
| Grab Tensile                           | ASTM D 4632                              | 667 N (150 lbf)   |
| Grab Elongation                        | ASTM D 4632                              | 50 %  |
| CBR <sup>(1)</sup> Puncture Resistance | ASTM D 6241                              | 1312 N (295 lbf)  |

(1): CBR = California Bearing Ratio  
(All values are nominal)



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