

MICROFAB

Description: *MICROFAB* is a coated, woven and micro-perforated polyethylene fabric that is used as a root barrier for applications in *SOPRANATURE* vegetated/green roofs and roof gardens.

MICROFAB is used as a root barrier above the *SOPRADRAIN ECO-5*, *SOPRADRAIN 10-G* and *SOPRADRAIN ECO-VENT* or to complete the root protection when using *AQUAMAT JARDIN* or *SOPRADRAIN GEO-M*, between adjoining rolls and at borders, edges and details.

Advantages: *MICROFAB* is a physical root barrier it will not leach any type of chemical in the environment. This feature helps in maintaining a long-term anti-root efficiency.

The perforations in the filter allow the flow of air and water but do not allow the penetration of the roots of hardy plants.

Limitations: *MICROFAB* root barrier is to be used with *SOPREMA*'s *SOPRANATURE* systems only and in conjunction with *SOPRADRAIN* drainage board and *SOPRAFLOR* growing medium. When a root barrier is required over *SOPREMA* membranes for any other applications, *SOPREMA* recommends using a polyethylene plastic film with a minimum thickness of 15 mils with 1.8 m (6 ft) overlaps installed under the drainage boards.

Properties:

Properties	Standards	MICROFAB
Roll Dimensions * (m)	-	1 x 91.5 (3.25 x 300 ft) 1.6 x 91.5 (5.25 x 300 ft) 3.5 x 91.5 (11.5 x 300 ft)
Thickness (mm)	-	0.46 (18 mils)
Tensile Strength (N)	ASTM D 4632	200 (45 lbf)
Elongation at break (%)	ASTM D 4632	15
Mullen Burst Strength (kPa)	ASTM D 3786	485 (70 psi)
Tear Propagation (N)	ASTM D 4533	30 (6.7 lbf)
Permeability (cm/s)	ASTM D 4491	1.5×10^{-3}
Permittivity (s ⁻¹)	ASTM D 4491	0.03
Transmissivity, flow under 50 mm hydraulic load (L/min/m ²)	ASTM D 4491	73.4 (1.8 gal/min/ft ²)

(All values are nominal)

* Other sizes are available upon request.

1.877.MAMMOUTH
www.soprema.ca

NOTE: *SOPREMA INC.* may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.