

# SOPRADRAIN 18-G



COMPLEMENTARY PRODUCTS

APPLICATIONS

FOUNDATIONS

PLAZA DECKS

TECHNICAL DATA SHEET 160512SCANE

(supersedes 080919CAN4E)

## DESCRIPTION

**SOPRADRAIN 18-G** is a high-strength drainage panel consisting of a polypropylene core with a woven heavy-duty polypropylene filter fabric that offers optimum performance under concrete and soil in high loading areas such as plaza decks and parking structures.

**Reduced structural loading:** SOPRADRAIN 18-G weighs 1 kg/m<sup>2</sup> compared to 145 kg/m<sup>2</sup> for a 10 cm drainage layer of gravel.

**Highest strength core and filter fabric:** SOPRADRAIN 18-G has the highest compressive strength of all our drainage boards, and also the strongest filter fabric to resist deformation during placement of heavy overburden or concrete.

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

## PROPERTIES

DRAINAGE CORE		
Properties	Standards	SOPRADRAIN 18-G
Roll Dimensions	-	1.83 m x 15.25 m (6 x 50 ft)
Gross Coverage	-	27.9 m <sup>2</sup> (300 ft <sup>2</sup> )
Thickness	-	10 mm (0.4 in)
Compressive Strength	ASTM D 1621	862 kPa (18 000 psf)
Maximum In-Plane Flow Rate	ASTM D 4716 (Hydraulic gradient of 1)	334 L/min/m (27 gal/min/ft)

(All values are nominal)

GEOTEXTILE PROPERTIES		
Properties	Standards	SOPRADRAIN 18-G
Apparent Opening Size	ASTM D 4751	0.42 mm
Water Flow Rate	ASTM D 4491	4074 L/min/m <sup>2</sup> (100 gal/min/ft <sup>2</sup> )
Grab Tensile	ASTM D 4632	1620 N (365 lbf)
Grab Elongation	ASTM D 4632	24 %
Puncture Resistance	ASTM D 4833	440 N (100 lbf)

(All values are nominal)



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NOTE : SOPREMA INC. may modify the composition and/or use of its products without prior notice.

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