



SOPRADRAIN 18-G

Sopradrain 18-G

Order No.*

*Contact Customer Service for Order Number and Availability

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.

FEATURES

Reduced structural loading: Sopradrain 18-G weighs less than 0.2 lbs/ft² (1 kg/m²) compared to 30 lbs/ft² (145 kg/m²) for a 4-inch (10 cm) drainage layer of gravel.

Reduced thickness: Sopradrain 18-G is only 0.4-inches (1 cm) thick compared to 4-inches (10 cm) for gravel drainage, allowing for better clearances at doors and a reduction of heights of upstands and curbs.

PROPERTIES

DRAIN CORE PROPERTIES*	STANDARDS	SOPRADRAIN 18-G
Roll Dimensions	-	6' x 50' (1.83 m x 15.25 m)
Gross Coverage	-	300 ft ² (27.9 m ²)
Thickness	-	0.4-inch (10 mm)
Compressive Strength	ASTM D1621	18,000 psf (862 kPa)
Maximum 'In-Plane Flow Rate'	ASTM D4716	27 Gal/min-ft (334 l/min-m)

* All Values are Nominal

GEOTEXTILE PROPERTIES*	STANDARDS	SOPRADRAIN 18-G
Apparent Opening Size	ASTM D4751	0.017 in (0.42 mm)
Water Flow Rate	ASTM D4491	100 Gal/min-ft ² (4074 l/min-m ²)
Grab - Tensile	ASTM D4632	365 lbf (1620 N)
Grab - Elongation	ASTM D4632	24%
Puncture Resistance	ASTM D4632	100 lbf (440 N)

* All Values are Nominal

POLYMER PROPERTIES

Polypropylene has excellent resistance to organic solvents, degreasing agents, acids and alkalines. It provides superior tensile strength to that of high density polyethylene. It has a low moisture absorption rate, is resistant to staining and is extremely lightweight.