

SOPRADRAIN 10 -G

Description: SOPRADRAIN 10-G is a high-strength drainage panel manufactured using high-density polyethylene (HDPE) with a factory-laminated geotextile for installation over waterproof membranes to provide drainage for most waterproofing applications, including green roofs and rooftop gardens.

Advantages:

- Reduced structural loading:** SOPRADRAIN 10-G weighs less than 2 kg/m² compared to 145 kg/m² for a 10 cm drainage layer of gravel.
- Reduced thickness:** SOPRADRAIN 10-G is only 1 cm thick compared to 10 cm for gravel drainage, allowing better clearance at doors and a reduction in heights of upstands and curbs.

Properties:

Properties	Standards	SOPRADRAIN 10-G
Roll Dimensions (m)	-	2 m x 12.5 m (6.5 x 41 ft)
Roll surface (m ²)	-	25 (269 ft ²)
Thickness (mm)	-	10 (0.4 in)
Compressive Strength (kPa)	ASTM D 1621	400 (8400 psf)
Maximum <i>In-Plane</i> Flow Rate (l/min·m)	ASTM D 4716 (Hydraulic gradient of 1)	288 (23.4 gal/min·ft)

(All values are nominal)

Geotextile Properties	Standards	SOPRADRAIN 10-G
Apparent Opening Size (mm)	ASTM D 4751	0.21
Water Flow Rate (l/min·m ²)	ASTM D 4491	6000 (147 gal/min·ft ²)
Grab Tensile (N)	ASTM D 4632	745 (168 lbf)
Grab Elongation (%)	ASTM D 4632	60
Puncture Resistance (N)	ASTM D 4833	259 (56 lbf)