



COMPLEMENTARY PRODUCTS

APPLICATIONS

FOUNDATIONS

PLAZA DECKS

SOPRADRAIN 10-G

TECHNICAL DATA SHEET 240306SCANE

(supersedes 220314SCANE)

DESCRIPTION

SOPRADRAIN 10-G is a high-strength drainage panel consisting of a polyethylene core with a factory-laminated geotextile for installation over waterproofing membranes in most vertical and horizontal commercial drainage applications.

INSTALLATION

SOPRADRAIN 10-G drainage panel, when installed in a conventional foundation, can be partially fixed (3a) or adhered (3b); when installed in a blindside waterproofing system, it is mechanically fastened (3c).

1. Install the drainage panel with the geotextile facing the retaining wall for blindside waterproofing systems and facing the backfill for conventional foundations.
2. Unroll SOPRADRAIN 10-G and cut to desired length. Ensure that the geotextile overlap is correctly positioned on the adjacent panel and fold any excess fabric at ends under the core. If needed, seal the joints using strips of self-adhesive membrane such as SOPRASEAL FLASHPRO.
- 3a. Fasten at leading edge only, above the waterproofing layer, using a termination bar. Fasten at a minimum of 305 mm (12 in) O.C.. Hold in place using backfill materials.
- 3b. Partially adhere by applying spots of adhesive compatible with the substrate. Hold in place using backfill materials
- 3c. Fasten the panel using mechanical anchors adapted to the substrate and washers with a minimum diameter of 25 mm (1 in). Install an anchor at least every 600 mm (24 in) at the top end with a ratio of one anchor per square metre (10 ft²) on the panel. ⁽¹⁾ Use additional anchors where necessary at angle changes and details, so that the panel rests directly on a solid support.

(1): The number of anchors required may increase depending on site and substrate conditions.

RESTRICTION

Never use mechanical anchors through the waterproofing membrane for fixing drainage panels. Mechanical anchors could damage the waterproofing system.

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

PROPERTIES [Drainage Core]

Properties	Standards	Drainage Core
Roll Dimensions	-	1.83 m x 15.25 m (6 x 50 ft)
Gross Coverage	-	27.9 m ² (300 ft ²)
Thickness	-	10 mm (0.4 in)
Compressive Strength	ASTM D 1621	525 kPa (11 000 psf)
Maximum In-Plane Flow Rate	ASTM D 4716 (Hydraulic gradient of 1)	196 L/min/m (16 gal/min/ft)

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopce-en-ca-tds-sopradrain-10-g.incd

SOPRADRAIN 10-G



COMPLEMENTARY PRODUCTS

APPLICATIONS

FOUNDATIONS

PLAZA DECKS

TECHNICAL DATA SHEET 240306SCANE

(supersedes 220314SCANE)

PROPERTIES [Geotextile]

Properties	Standards	Geotextile
Apparent Opening Size	ASTM D 4751	0.3 mm (11 mils)
Water Flow Rate	ASTM D 4491	6 095 L/min/m ² (149 gal/min/ft ²)
Grab Tensile	ASTM D 4632	401 N (90 lbf)
Grab Elongation	ASTM D 4632	50%
Static Puncture Resistance	ASTM D 6241	1 180 N (265 lbf)

(All values are nominal)

STORAGE AND HANDLING

Store rolls in an upright position to prevent damage. Do not double stack pallets. Store in a clean, dry location. Cover with an opaque protective cover as necessary to protect from any environmental damage such as UV, extreme cold, heat, moisture, and much more. Always keep away from flames and intense heat sources.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopca-en-ca-tds-sopradrain-10-g.indd

2/2