

SOPRADRAIN 20

TECHNICAL DATA SHEET



ACCESSORY
PRODUCTS

APPLICATIONS

FOUNDATIONS

TUNNELS

UNDERGROUND STRUCTURES

DESCRIPTION

SOPRADRAIN 20 is a high-strength drainage panel consisting of a high-density polyethylene (HDPE) core with a factory-laminated geotextile for installation over waterproofing membranes in most vertical and horizontal drainage applications. It provides protection to the waterproofing system against build-up of water pressure and humidity.

Soil backfill is retained by a filter fabric while allowing water to pass into the drainage core providing hydrostatic relief. Collected water is then conveyed to a proper collection system. Consists of an impermeable polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core.

The core is then bonded to a layer of non woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

Maintains a very high flow rate while providing a higher compressive strength for greater depths. A very popular choice for vertical and horizontal single sided drainage applications.

Simple and rapid installation

High compressive strength

High chemical resistance

Root resistant & rot-proof

Light load on structures

FIELD OF APPLICATION

- Green roofs
- Bridge abutments
- Planter boxes
- Retaining Walls
- Foundations

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until the substrate must be firm, even, clean and free from loose materials or any construction debris on surface.
- Substrate must have a minimum 1% gradient to ensure that water drains to drainage outlets.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.

INSTALLATION

- The substrate must be firm, even, clean and free from loose materials or any construction debris on the surface.
- Install **SOPRADRAIN 20** either vertically or horizontally.
- Hold **SOPRADRAIN 20** in place by either taping, nailing, gluing or simply overhanging over the wall while backfilling takes place.
- Install **SOPRADRAIN 20** with the geotextile facing the backfill.
- Join by simply butting edge to edge and overlapping the geotextile overhang and securing with reinforced canvastape. Alternatively overlap the cusped core by 50 mm and secure geotextile as previous.
- On the bottom of the wall it will be advisable to install a drainage pipe.

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



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ANZ-TDS-61-SOPRADRAIN 20

PACKAGING

SPECIFICATIONS	SOPRADRAIN 20
Roll dimensions	30.0 m x 1.10 m
Roll weight	35 kg

PROPERTIES

HDPE CORE		
PROPERTIES	TEST METHOD	SOPRADRAIN 20
Compressive strength	ASTM-1621	250 kN/m ²
Flow	ASTD-4716 (i=1.0 @ 250 kPa)	250 l/min/m width
Thickness	-	20 mm

GEOTEXTILE		
PROPERTIES	TEST METHOD	SOPRADRAIN 20
Flow	AS3706.9-12	>180 l/m ² /s
CBR	AS3706.7-12	>1400 N
EOS	AS3706.4-12	<0.12 mm
Grab	AS3706.2-12	>500 N

STORAGE AND HANDLING

Rolls must be stored in the delivery packaging, in a dry and protected environment.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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