

## SUREPROOF ULTRA

WATERPROOFING & GAS CONTROL

**SUREPROOF ULTRA** is a Waterproofing and gas control self adhesive membrane, self protected by a cross laminated HDPE film. Consisting of a very adhesive bituminous compound even at low temperatures.



The high-density polyethylene film gives to the membrane characteristics of dimensional stability and ensures a uniform reaction to elongation stresses in a longitudinal and transversal direction.

This membrane has been designed and developed for the specific waterproofing of vertical walls, foundations, basements, flat and ventilated roofs.

### ADVANTAGES

- Waterproof, Self-adhesive and Self-sealing;
- Tough and Extensible;
- Radon and Methane Gas barrier;
- Resistant to the contact of chemical agents;
- Resistant to tearing and perforation;
- Controlled thickness;
- Compatible with steel and metals in general.

### TYPICAL USES

- Waterproofing of foundations underground structures.
- Waterproofing podium decks.
- Gas proofing detailing.

# TECHNICAL DATASHEET

## SUBSTRATE PREPARATION

All surfaces on which Sureproof Ultra Waterproofing membranes have to be installed must be dry, clean, smooth and free of impurities. If the surface is porous, apply a coat of Primer in a quantity of 75 - 150 g/sqm.

The use of Primer is in any case advisable, and the manufacturers instructions must be followed. A wrong use of Primer can influence the membrane efficiency.

## DIMENSIONS AND PACKAGING

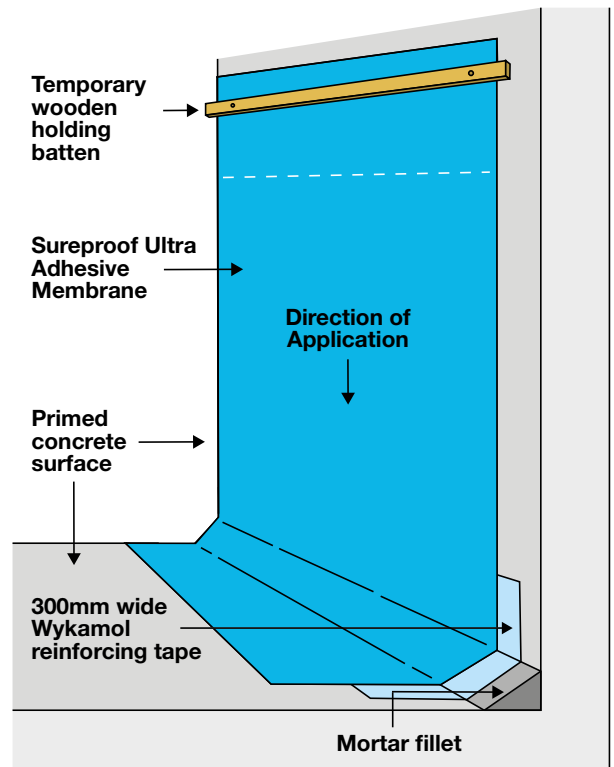
Standard Length:	20 m
Thickness:	1.5 mm
Standard Width:	1000 mm

Other lengths and thicknesses are available on request. The rolls are packed individually in cardboard boxes and placed on pallets.

## APPLICATION

Always start by laying the rolls from the highest point and work downwards, being careful not to create countergradient overlaps.

The membrane must be overlapped at the edge by at least 5-8 cm and on the top by at least 15 cm. After installation, press the membrane well, being very careful about details such as corners, edges, connections and overlaps.



# SUREPROOF ULTRA MEMBRANE

CHARACTERISTIC	VALUES	TEST
Thickness	1.5 mm *	EN 1849-1
Tensile Strength	Long. 215 N/50 mm   Trans. 220 N/50 mm	EN 12311-1
Elongation at Break	Long. 310 %   Trans. 240 %	EN 12311-1
Impact Resistance	Met. A 500 mm   Met. B 1000 mm	EN 12691
Static Load Resistance	Met. A 10 Kg   Met. B 15 Kg	EN 12730
Tear Resistance	Long. 135 N   Trans. 135 N	EN 12310-1
Peel Resistance of Joints	100 N/50 mm	EN 12316-1
Shear Resistance of Joints	Long. 350 N/50 mm   Trans. 350 N/50 mm	EN 12317-1
Peel Adhesion (on Concrete at 23°C)	3 N/mm	ASTM D 1000
Probe Tack	7 N	ASTM D 2979
Watertightness	Pass at 60 Kpa of water (24 hours)	EN 1928 (Method A)
Watertightness	Pass at 6 bar of water (24 hours)	EN 1928 (Method B)
Vapour Transmission Rate	90000 <sub>m</sub>	EN 1931
Water Absorption	0.09 %	ASTM D 570
Permeability to Radon Gas	5.7 x 10 <sup>-12</sup> m <sup>2</sup> /s	SP Swedish Nat. Testing & Research Institute
Permeability to Methane Gas	< 5 cc/m <sup>2</sup> x 24h x atm	CSI Method
Application Temperature	0 °C * / + 30 °C	-
Service Temperature	- 30 °C / + 80 °C	-

\* For temperatures below 5 °C, it is recommended to use special and additional precautions to facilitate adhesion (for example a specific primer for low temperatures).

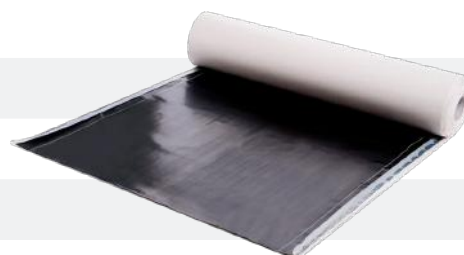
## TEST

Complying with: EN 13969 types A and T; EN 14967; EN13707

Total Volatile Organic Compound emissions (TVOC): 8 <sub>m</sub>g/m<sup>3</sup> (ISO 16000-6)

Classification for transport: Not Applicable

Reaction to fire: E (EN 13501 - 1)





## STORAGE & SHELF LIFE

SureProof Ultra has a 12 month shelf life when stored in an upright position and at temperature between 5° C and 40° C.

SurePrime has a 12 month shelf life when stored un-opened and at temperatures between 5° C and 30° C.

## HEALTH AND SAFETY

Please consult material safety data sheets.

Flash point for SurePrime is > 39° C.

\*Please note : Each roll of SureProof Ultra weights approx. 35 KG and should be lifted by a minimum of 2 operatives.



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