



SUREPROOF

**Premium performance
waterproofing membrane
for basements and structures**



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DESCRIPTION

SureProof is a high performance, cold applied, flexible, waterproof membrane incorporating a cross-laminated HDPE carrier film with a strong adhesive polymer modified bitumen compound. The adhesive surface is protected by a disposable paper interleaving wider than the membrane for easy release during application. To ensure correct sealing at overlaps there is a double-sided adhesive strip along the edges covered by a separate interleaving strip.

SureProof should be laid in accordance with the provisions of BS 8102:2009. Where SureProof is being used as a floor DPM there should be continuity with the wall DPC's and other DPM's used in the structure. If methane presence is suspected, a comprehensive site survey needs to be carried out and Wykamol's technical department contacted to advise on suitability of SureProof.

USES

SureProof uses include waterproofing foundation, basements, roofs and plaza decks, lift shafts, pits, service reservoir roofs, car park decks and subways.

ADVANTAGES

- **Resistant to ground water, soluble sulphates and chlorides**
- **Suitable for waterproofing basements grades 2 & 3 as defined in BS 8102:2009, 'protection Of Structures Against Water From The Ground'**
- **Cross-laminated HDPE film for protection against damage**
- **Dimensionally stable**
- **Tough and flexible, ideal for detailing around corners**
- **Self-adhesive layer system makes installation easy, quick and reliable.**

STANDARD COMPLIANCE

SureProof complies with the harmonised European Standard BS EN 13967:2012 'Flexible sheets for waterproofing'

SureProof is BBA approved. 'BBA certificate 15/5235'

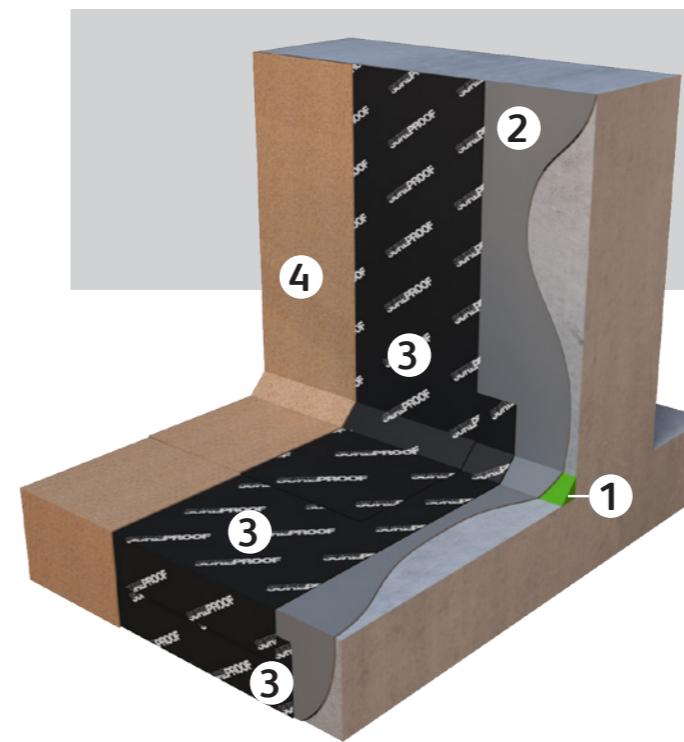
PERFORMANCE PROPERTIES

Property & Test method	Units	Result
Water tightness to liquid water (EN 1928, Method A, 60 KPa)	-	Pass
Resistance to Static Load (EN 12730)	Kg	≥ 20
Tensile properties, Maximum Tensile Stress CD (EN 12311-2)	N/mm ²	≥ 2.5
Tensile properties, Maximum Tensile Stress MD (EN 12311-2)	N/mm ²	≥ 2.5
Tensile properties, Elongation at break MD (EN 12311-2)	%	≥ 130
Tensile properties, Elongation at break CD (EN 12311-2)	%	≥ 130
Durability of Water tightness against ageing (EN 1847, Method A, 60 KPa)	-	Pass
Durability of Water tightness against chemicals (EN 1847, Method A, 60 KPa)	-	Pass
Resistance to Impact (EN 12691)	mm	≥ 500
Resistance to tear (Nail Shank) CD (EN 12310-1)	N	≥ 100
Resistance to tear (Nail Shank) MD (EN 12310-1)	N	≥ 100
Reaction to Fire (EN 13501)	Euro Class	Class F
Joint strength (EN 12317-2)	N	≥ 30
Water Vapour Transmission (Density Flow rate) (EN 1931)	g/(day/m ²)	0.09
Water Vapour Transmission (Resistance factor, μ) (EN 1931)	μ	220000

PHYSICAL PROPERTIES

Property & Test method	Units	Tolerance	Result
Thickness (EN 1848-2)	mm	-5% to +10%	1.50
Length (EN 1848-2)	m	-0% to +5%	19.05
Width (EN 1848-2)	m	-5% to +5%	1.05
Mass (EN 1848-2)	g/m ²	-10% to +10%	1650
Other Data			
Roll Weight	Kg		33

APPLICATION INSTRUCTIONS



SureProof Schematic

- 1 Fillet Seal
- 2 SurePrime MT
- 3 SureProof
- 4 Protection Board

HORIZONTAL

Completely unroll SureProof membrane and place against chalk line. Roll one half up to the mid-point, carefully cut the release paper, without damaging SureProof membrane and progressively remove from the mid-point out to the end of the roll. Repeat the process on the other half of the roll. Adequately brush SureProof onto the surface ensuring good bonding.

The next roll is aligned against the previously applied membrane allowing for the 50 mm minimum (or as specified) edge laps and 150 mm end laps and apply as above. Ensure the edge and end laps are rolled to ensure complete continuity and bond between both layers.

SURFACE PREPARATION

All surfaces must be clean, dry and free from contamination, ice and frost.

Masonry surfaces must be flush pointed and all concrete surfaces must be a wood float or shutter finish and free from cavities or projections.

PRIMING

All surfaces shall be primed with SurePrime MT. Follow application instructions on SurePrime MT technical datasheet, ensure complete coverage and allow to dry. Very porous surfaces may require more than one coat of primer and ensure the area primed, SureProof can be applied in the same day. Application temperature range with SurePrime MT : 5° C to 35° C.

ANGLE AND CORNER DETAILS

Where possible, a 25mm chamfer should be provided to all external angles prior to application of the reinforcing strip.

For internal and external corners use Wykamol's Fillet Seal at all wall to floor junctions. Use of preformed fillets which are adhered correctly can also be used as well as a suitable concrete fillet.

All internal and external angles should be reinforced with SureProof reinforcing tape or alternatively a 300 mm wide strip of SureProof.

VERTICAL

Cut SureProof to the correct length allowing 150 mm for the end laps. Correctly position by peeling back the release paper and applying the self-adhesive face to the primed surface. Ensure to start at the top of the wall and work down, progressively removing the release paper in stages. SureProof should be applied to ensure that all end laps are weathered.

Please note in cold weather application, the use of temporary batten supports to SureProof is recommended

PROTECTION

SureProof membrane should be protected from physical damage and weathering as soon as possible after application using SureProof protection board.

PENETRATIONS

Pay special attention to detail when penetrating SureProof for reasons such as creating pipe entries etc.

ANCILLARY PRODUCTS

SurePrime MT, SureProof reinforcing tape and SureProof protection board.

PACKAGING

Boxed 1 metre x 20 metre roll size

SUREPROOF

Roll size	1.05 m x 19.05 m
Roll area	20 m ²
End laps	150 mm minimum
Edge laps	50 mm minimum
Weight	33 Kg

SUREPRIME MT

Coverage	6 to 8 m ² /litre
Pack size	5 Litre and 25 litre Drums
Minimum installation temperature:	≥ + 5°C
Drying time @ 20 °C	1 to 2 hours

STORAGE

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

SurePrime MT 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.

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

Flash point for SurePrime MT is > 39° C.



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