



WATERPROOFING

SELF-ADHERING

MIDDLE EAST

COLPHENE® 3000 HT

SELF-ADHERING MEMBRANE

TRI-LAMINATED WITH HIGH PERFORMANCE HDPE CARRIER FILM

TECHNICAL DATA SHEET 170823SME1E

DESCRIPTION

COLPHENE 3000 HT self-adhering membrane is manufactured from a select blend self-adhesive elastomeric SBS modified bitumen compound combined with a high density tri-laminated white HDPE carrier film. A silicone release paper protects the self-adhesive side while the surface of the membrane is reinforced with the HDPE carrier film. COLPHENE 3000 HT has a surface resistance exceeding the 500 Tera-Ohm (10¹²) limit of the ohm-meter and is especially designed to provide and sustain high waterproofing performance within a wide range of temperature (10 °C to 95 °C). COLPHENE 3000 HT membrane provides a durable, water-tight seal for the building envelope protecting substrates from water, vapour and gases infiltration including methane gas during the product life cycle. The durable white HDPE film contributes to the reduction of heat within a roofing assembly and helps reduce the temperature of the membrane prior to the application of following works.

Resilient Carrier Film Reinforcement

Durable White Film

Excellent Tensile Strength, Resistance to Tear & Puncture

Dimensionally Stable with Defined Consistent Thickness

Fully Adhered & Highly Flexible membrane with, Water-Tight Laps

High Resistance to Hydrostatic Pressure & Resistance to Soil Chemicals

USER APPLICATIONS

COLPHENE 3000 HT is used for many industrial, commercial and institutional applications over concrete substrate such as:

- Horizontal & Vertical Applications
- Basement Walls
- Plaza Decks
- Roof Decks
- Balconies & Terraces.
- Planter Boxes & Landscaping
- Wet Areas
- Underground Damp-Proofing Applications
- Below-Grade Vaults
- In Dampproofing Applications (DPC)
- External Waterproofing of Sewage tanks
- External Waterproofing of Manholes & Chambers

INSTALLATION GUIDELINES

- COLPHENE 3000 HT must always be laid on clean, dry, solid substrates which have previously been primed with SOPREMA's ELASTOCOL STICK or SOPRADERE PRIMER.
- Concrete must have cured for a minimum of fourteen (14) days prior to installation.
- Conducting an adhesion test is recommended before membrane application.
- Clean, prepare and prime the substrate.
- Ensure that membrane rolls are well aligned.
- Gradually peel back the remaining release sheet, while ensuring membrane is completely adhered.
- Adhere COLPHENE 3000 HT membrane to the substrate.
- Use a hand-haed roller to apply uniform pressure over the entire surface.
- Apply SOPRAMASTIC LM or SOPRAMASTIC ALU to seal details and critical areas.
- Prior to backfilling, protect COLPHENE 3000 HT membrane with SOPRABOARD protection board or PROTECTDRAIN drainage boards.
- Use SOPRATAPE-C double-sided self-adhesive tape or an approved cold adhesive.
- For complete installation specification and information please contact your local SOPREMA representative.

USE WITH SOPREMA's MEMBRANES

12" ROLLER

5" ROLLER

CODE: 25081

CODE: 25075



For ideal application results, use SOPREMA's Rollers & Tools to install self-adhering membranes and seal overlaps.

SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. COLPHENE 3000 HT membrane series do not contain any substances that might be detrimental to health or to the environment and complies with generally accepted health standards. Please refer to the product's Safety Data Sheet for more information.

SOPREMA may modify the composition and/or utilization of its products without prior notice.



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PACKAGING

SUPPLY DATA	COLPHENE 3000 HT
Thickness (Gross)	1.5 mm
Roll weight	30 kg
Dimensions (L/W)	23 m x 1 m
Surface	Tri-laminated HDPE
Underface	Silicone release paper

(All Values are Nominal)

TECHNICAL PROPERTIES

PROPERTIES	STANDARDS	COLPHENE 3000 HT
Tensile Strength (film only), MD/XD	ASTM D882	62 / 91 N/mm ²
Softening Point (R&B)	ASTM D36	> 105 °C
Elongation (film only), MD/XD	ASTM D882	28 / 18 %
Low Temperature Flexibility	ASTM D1970	-30 °C
Tear Strength (film only),MD/XD	ASTM D1004	445 / 325 N/mm
Adhesion Strength, (Self)	ASTM D1000	2.2 N/mm
Adhesion strength (primed concrete)	ASTM D1000	3 N/mm
Water Absorption (film only) @ 24 h	ASTM D570	< 0.94 %
Water Vapour Transmission	ASTM E96	< 0.14 g/m ² / 24 h
Puncture Resistance	ASTM E154	700 N
Resistance to Hydrostatic Head	ASTM D5385	> 70 m
Average Surface Resistivity	ASTM D257-14	> 14.6 (10 ¹⁵ Ω-square) ¹ Exceeds 500 Tera-Ohm (1012) limit of the ohm-meter.
Methane Gas Permeance, [mol/m ² *s*Pa] 50 psig / 75° F	ASTM D1434	3.07e-16
Elongation of Rubberised Asphalt	ASTM D5147	> 1000 %

(All values are nominal)

All Values are subject to variation tolerance not exceeding 15%

QUALITY CONTROL

COLPHENE 3000 HT membrane is manufactured in ISO-9001 certified SOPREMA factories which are audited by third-party organizations such as Underwriters Laboratories (UL) and FM Global. The membrane is manufactured to meet SOPREMA's Quality Management Manual.

STORAGE & HANDLING

Rolls must be stored in a shaded area in an upright position with the selvedge side on top.

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