colphene Self-Adhesive

WATERPROOFING

APPLICATIONS

ROOFING

FOUNDATION

WET ROOM

COLPHENE 2500

TECHNICAL DATA SHEET APTDS-E-01-05

DESCRIPTION

COLPHENE 2500 is a self-adhesive base sheet membrane composed of SBS modified bitumen. The surface is composed of a cross-laminated HDPE film with superior mechanical properties, the underside is covered with a release protection film.

APPLICATION

- It can be used as both a underlay or reinforcement layer for roof waterproofing systems with standing seam metal roofing panels or bituminous shingle.
- Waterproofing for foundation walls and others below grade vertical surfaces
- Vapour barrier in both conventional and deck roof systems.

INSTALLATION

COLPHENE 2500 must be applied directly onto treated surfaces:

- Brush and dry surface.
- If needed, cover the surface with a coat of primer using a brush or a roller.
- Once dry, put roll into place and set it to the appropriate size.
- Apply primer on the surface.
- Pull on sheet and lay it out while flattening the surface so as to avoid air getting trapped.
- Ideal laying temperature: + 10°C
- Overlap width according to local code.

HEALTH AND ENVIRONMENT

The membrane does not contain any substance that might be detrimental to health or to the environment and complies with generally accepted health standards and Material Safety Data Sheet (MSDS).

QUALITY CONTROL

SOPREMA has always cthe highest importance to quality control. For this reason, we operate an internationally recognized quality system meeting ISO 9001 & ISO 14001 standards, independently monitored and certified.

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SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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July 29, 2016

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PROPERTIES

Composition	COLPHENE 2500		
Thickness	1.5mm		
Nominal weight	1.5kg/m²		
Dimension	1×20m		
Top face	Cross laminated HDPE film		
Under face	Silicone-coated removable plastic film		
Properties	**Test method**	**COLPHENE 2500** Machine Direction (MD)	Cross Machine Direction(CMD
Tension maximum load (kN/m)	ASTM D5147	4.6	6.0
Elongation at maximum tension (%)	ASTM D5147	420	315
Elongation at break (%)	ASTM D5147	450	320
Elongation at break— bitumen (%)	ASTM D5147	>1000	
Low temperature flexibility (°C)	ASTM D5147	-20	-20
Water absorption (%)	ASTM D5147	0.40	
Average tear resistance (kN/m)	ASTM D5601	35	40
Static Puncture resistance (N)	ASTM D5602	Pass at 390	
Lap Adhesion (N/m)	ASTM D1876	1800	
Adhesion to steel plates (N/m)	ASTM D903	2000	
Adhesion to primed concrete (N/m)	ASTM D1000	2200	
Water Vapour Transmission (ng/Pa•s•m2)	ASTM E96 Method B	<2.1	
Compound stability	ASTM D5147	Pass at 90°C	

(All values are nominal)

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