COLPHENE
TORCH'N STICK

WATERPROOFING

APPLICATIONS

FOUNDATIONS

TECHNICAL DATA SHEET 240516SCANE (supersedes 220824SCANE)

DESCRIPTION

COLPHENE TORCH'N STICK is a waterproofing membrane composed of a non-woven polyester reinforcement and SBS modified bitumen. The underface and surface are covered by a thermofusible plastic film. COLPHENE TORCH'N STICK is used as waterproofing membrane on foundation walls and other vertical below grade concrete surfaces.

Different panels (SOPRABOARD, SOPRA-XPS or SOPRADRAIN) can be held in place over the COLPHENE TORCH'N STICK membrane when its surface is heated with a torch.

SURFACE PREPARATION

The use of ELASTOCOL 350 or ELASTOCOL 500 primer is required before the installation of COLPHENE TORCH'N STICK membrane. The substrate should be clean, sound, dry and free of loose materials, grease and any contaminants, which may compromise the performance of the product.

RESTRICTION

Concrete must be cured a minimum of fourteen (14) days and an adhesion test is recommended before membrane application.

INSTALLATION

HEAT-WELDED

The underface of COLPHENE TORCH'N STICK is heat-welded using a propane torch.

To hold a panel in place, heat the surface of the COLPHENE TORCH'N STICK membrane with a propane torch and stick the specified panel to the hot bitumen of the membrane.

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

GENERAL INFORMATION

Specifications	COLPHENE TORCH'N STICK
Thickness	2.7 mm (106 mils)
Reinforcement	Non-woven polyester
Dimensions	12 x 1 m (39,4 x 3,3 ft)
Roll weight	75 lb (34 kg)

(All values are nominal)

sopca-en-ca-tds-colphene-torch-n-stick.indd

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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Note: All products manufactured by SOPREMA, Inc. comply with the description and properties indicated in the data sheet in effect at the date of manufacture.

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PROPERTIES

Properties	Standards	COLPHENE TORCH'N STICK	
		MD	XD
Tensile strength	ASTM D5147	25 kN/m (1713 lb/ft)	16 kN/m (1096 lb/ft)
Ultimate elongation	ASTM D5147	60%	65%
Cold bending, *initial*	ASTM D5147	-30 °C (-22 °F)	
Plastic flow	ASTM D5147	70 °C (158 °F)	
Dimensional stability	ASTM D5147 modified	0.2%	0.2%
Static puncture	ASTM D5602	470 N (106 lbf)	
Tear resistance	ASTM D751	80 N (18 lbf)	
Resistance to hydrostatic pressure	ASTM D5385	> 110 m (>360 ft)	
Radon resistance, (1) R_{Rn} $(s \cdot m^{-1})$ $R_{Rn}/R_{Rn\ 6\ mils}$	ISO DIS 11665-13	1.18×10^8 6.21 (2)	

(All values are nominal)
(1): Materials with higher radon resistance are considered less permeable to radon and can therefore more effectively prevent or reduce radon transmission.
(2): Under the test conditions, the radon resistance of the COLPHENE TORCH'N STICK membrane was 6.21 times greater than the radon resistance of a standard 0.15 mm (6 mils) thick polyethylene membrane.

STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If the product is stored outdoors, cover them with an opaque protective cover after removal of the delivery packaging.

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