COLPLY
BASE 410

WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 240209SCANE (supersedes 230922SCANE)

DESCRIPTION

COLPLY BASE 410 is a high performance base sheet membrane composed of SBS modified bitumen and a composite reinforcement. Both sides are sanded.

INSTALLATION

ADHESIVE

COLPLY BASE 410 is unrolled on the adhesive previously applied using a notched squeegee.

Once the membrane is in place, apply pressure over the whole surface using a membrane roller to ensure a complete and uniform adhesion.

Apply adhesive on the first 100 to 125 mm (4 to 5 in) of the end laps with a notched trowel. Complete the installation by welding the last 25 to 50 mm (1 to 2 in) of the end laps, using an electric hot-air torch and a membrane roller.

Welding must also be done on all side laps. The use of an automatic hot-air welder will increase the speed and quality of the seal.

SEBS HOT BITUMEN

COLPLY BASE 410 is unrolled in a bed of SEBS hot bitumen (SOPRASPHALTE M) applied with a mop.

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

GENERAL INFORMATION

Specifications	COLPLY BASE 410
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Selvedge width	100 mm (4 in)
Surface	Sanded
Underface	Sanded

(All values are nominal)

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PROPERTIES

Properties	COLPLY BASE 410		CSA A123.23 Type C, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	2.5 mm (98 mils)		1.8 mm (70 mils)
Selvedge thickness, min.	2.5 mm (98 mils)		1.8 mm (70 mils)
Mass per unit area, min.	3.1 kg/m² (60 lb/100 ft²)		2.2 kg/m² (45 lb/100 ft²)
Strain energy, min MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)* *at -18 °C ± 2 °C (0 °F ± 3.6 °F)*	8/6.5 kN/m (46/37 lbf/in) 8/7 kN/m (46/40 lbf/in)	7/6 kN/m (40/34 lbf/in) 6.5/6 kN/m (37/34 lbf/in)	5.5 kN/m (31 lbf/in) 3.0 kN/m (17 lbf/in)
Peak load, min MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)* *at -18 °C ± 2 °C (0 °F ± 3.6 °F)*	17/14 kN/m (97/80 lbf/in) 22/19 kN/m (126/108 lbf/in)	18/15 kN/m (103/86 lbf/in) 22/17 kN/m (126/97 lbf/in)	Report value Report value
Elongation at peak load, min MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)* *at -18 °C ± 2 °C (0 °F ± 3.6 °F)*	55/55% 45/45%	50/50% 35/35%	Report value Report value
Ultimate elongation, MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)*	65/65%	55/55%	Report value
Dimensional stability, max MD/XD	±0.2/±0.2%		0.5%
Low temperature flexibility, max MD/XD	-27/-27 °C (-17/-17 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Compound stability	121/121 °C (250/250 °F)		min. 91 °C (195 °F)
Resistance to puncture	Pass		Pass
Water vapour transmission, *as per ASTM E96 (Procedure B)*	< 2.5 ng/Pa•s•m² (< 0.04 perm)		N/A

(All values are nominal)

STORAGE AND HANDLING

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

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

SOPREMA®