COLPLY
BASE 410

TECHNICAL DATA SHEET 200610SCANE (supersedes 200316SCANE)

WATERPROOFING

APPLICATIONS

ROOFS

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 SOPRAMATIC 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.

PACKAGING

Specifications	COLPLY BASE 410
Thickness	2.5 mm (98 mils)
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Weight	3.1 kg/m² (0.6 lb/ft²)
Selvedge width	100 mm (4 in)
Surface	Sanded
Underface	Sanded

(All values are nominal)

TDS_COLPLY_BASE_410.indd

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

SOPREMA®

COLPLY
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PROPERTIES

Properties	Standards	COLPLY BASE 410	
		BEFORE Heat Conditioning	AFTER Heat Conditioning
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)	CSA A123.23-15, Type C, Grade 3	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)
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)
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 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)		65/65 %	55/55 %
Dimensional stability, max MD/XD		±0.2/±0.2 %	
Low temperature flexibility, max MD/XD		-27/-27 °C (-17/-17 °F)	-18/-18 °C (0/0 °F)
Compound stability at 91 °C (196 °F)		121/121 °C (250/250 °F)	
Resistance to puncture		Pass	
Perméance à la vapeur d'eau	ASTM E96 (Procedure B)	< 2.5 ng/Pa•s•m² (< 0.04 perm)	

(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.

TDS_COLPLY_BASE_410.indd

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