

COLVENT BASE 830



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 200316SCANE

(supersedes 150312SCAN5E)

DESCRIPTION

COLVENT BASE 830 is a partially bonded high performance base sheet membrane. The base sheet membrane is composed of SBS modified bitumen and a glass mat reinforcement. The surface is covered with a thermofusible plastic film. The underface, made of discontinuous self-adhesive strips, is covered with a silicone release film.

COLVENT BASE 830 is provided with **DUO SELVEDGE** technology which allows the immediate sealing of the membrane along side laps.

SURFACE PREPARATION

Surfaces must be clean, dry and free of loose particles. **COLVENT BASE 830** can be directly installed over a **SOPRA-ISO PLUS** insulation panel or a **SOPRA-ISO PLUS HD** support panel without primer. However, all other substrates shall be primed with one of the **ELASTOCOL STICK** primers prior to the installation of the membrane.

INSTALLATION

SELF-ADHESIVE

COLVENT BASE 830 is installed without offsetting the end lap joints. It is adhered to the substrate by peeling off the silicone release film.

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

Weld the last 25 mm (1 in) of the side lap using a propane torch.

Cover the end laps with **SOPRALAP** membrane centred on the joint.

Application temperatures: -10 °C (14 °F).

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

PACKAGING

Specifications	COLVENT BASE 830
Thickness	2.5 mm (98 mils)
Reinforcement	Glass mat
Dimensions	12 x 1 m (39 x 3.3 ft)
Weight	2.9 kg/m ² (0.6 lb/ft ²)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Discontinuous self-adhesive strips

(All values are nominal)



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NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS_COLVENT_BASE_830.indd

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PROPERTIES

As per CSA A123.23-15, Type A, Grade 3.

Properties	COLVENT BASE 830	
	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)	1/1 kN/m (5.7/5.7 lbf/in) 0.5/0.5 kN/m (2.8/2.8 lbf/in)	2.1/0.5 kN/m (12/2.8 lbf/in) 0.5/0.4 kN/m (2.8/2.3 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)	12/13.5 kN/m (69/77 lbf/in) 23/21 kN/m (131/120 lbf/in)	18/16 kN/m (103/91 lbf/in) 21/21 kN/m (120/120 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)	6/7 % 4/4 %	8/5 % 3/4 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	35/30 %	10/7 %
Dimensional stability, max MD/XD	±0.3/±0.1 %	
Low temperature flexibility, max MD/XD	-30/-30 °C (-22/-22 °F)	-18/-18 °C (0/0 °F)
Compound stability at 91 °C (196 °F)	107/107 °C (225/225 °F)	

(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.



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