

# COLVENT BASE 840

TECHNICAL DATA SHEET 240214SCANE

(supersedes 230922SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

## DESCRIPTION

COLVENT BASE 840 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 sanded. The underface, made of discontinuous self-adhesive strips, is covered with a silicone release film.

COLVENT BASE 840 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 840 can be directly installed over a SOPRA-ISO PLUS insulation panel or a SOPRA-ISO PLUS HD support panel if they have previously been primed. All other substrates shall also be primed with one of the ELASTOCOL STICK primers prior to the installation of the membrane.

## INSTALLATION

### SELF-ADHESIVE

COLVENT BASE 840 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.

Finish the application by welding the last 25 mm (1 in) of the DUO SELVEDGE side laps using a hot air welder. The use of an automatic hot-air welder will increase the speed and quality of the welding.

Cover the end laps with a SOPRALAP STICK membrane centred on the joint. Pre-coat the surface to be covered with ELASTOCOL STICK primer.

Minimum application temperature: 0 °C (32 °F)

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

## GENERAL INFORMATION

Specifications	COLVENT BASE 840
Reinforcement	Glass mat
Dimensions	12 x 1 m (39 x 3.3 ft)
Selvedge width	100 mm (4 in)
Surface	Sanded
Underface	Discontinuous self-adhesive strips

(All values are nominal)



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## PROPERTIES

Properties	COLVENT BASE 840		CSA A123.23 Type A, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	2.5 mm (98 mils)		2.0 mm (80 mils)
Selvage thickness, min.	2.35 mm (93 mils)		2.0 mm (80 mils)
Mass per unit area, min.	2.8 kg/m <sup>2</sup> (60 lb/100 ft <sup>2</sup> )		2.2 kg/m <sup>2</sup> (45 lb/100 ft <sup>2</sup> )
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)	Report value Report value
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)	5.3 kN/m (30 lbf/in) 12.3 kN/m (70 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%	2/2% 1/1%
Ultimate elongation, MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	35/30%	10/7%	3/3%
Dimensional stability, max. MD/XD	±0.3/±0.1%		0.5%
Low temperature flexibility, max. MD/XD	-30/-30 °C (-22/-22 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Compound stability	91/91 °C (195/195 °F)		min. 91 °C (195 °F)

(All values are nominal)

## STORAGE AND HANDLING

Rolls must be stored upright, with the selvage 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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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.

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