

COLVENT 180 TG

TECHNICAL DATA SHEET ANZ-TDS 23-COLVENT FLAM 180 TG

DESCRIPTION

COLVENT 180 TG is a partially-adhered, heat welded elastomeric modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies, or as a vapor retarder. **COLVENT 180 TG** is composed of non-woven polyester reinforcement and a proprietary high quality elastomeric styrene-butadiene-styrene (SBS) polymer-modified bitumen blend. The underside consists of ribbon strips of SBS modified bitumen covered by plastic burn-off film for heat welding to approved substrates. The 3 in side-laps on the top and underside are surfaced with plastic burn-off film for heat welding side-laps watertight. The ribbon strips are arranged in a proprietary pattern to allow vapor pressure to vent between the substrate surface and the unadhered portions of **COLVENT 180 TG**. The top surface is sanded for a cold adhesive-applied interply or cap sheet. For vapor retarder applications, **DUOTACK** or hot asphalt may be applied to the top surface to adhere approved insulation. Approved lightweight insulating concrete may also be applied to the top surface of **COLVENT 180 TG**.

APPLICATION

Unroll the sheet onto the roof surface and allow to relax prior to installation. Lay out **COLVENT 180 TG** to butt the ends, do not overlap the ends. The butted ends are sealed watertight using a fully-adhered, 6 in wide sealing strip of **SOPRALENE 180** Sanded or other approved base ply. During application, as **COLVENT 180 TG** is unrolled, apply heat from an approved roof torch high on the roll as necessary to remove the burn-off film and melt the ribbons of bitumen. Ensure the sanded underside is not overheated in order to maintain open vent channels between the adhered bitumen ribbons. Fully-adhere all side-laps watertight. Refer to the **SOPREMA** SBS Roofing Manual for additional guidelines. The applicator is responsible for ensuring conditions are satisfactory to proceed with the appropriate heat welding methods.

PACKAGING

	COLVENT 180 TG
Dimension	10mx1m
Roll weight	about 40.6 kg
Thickness	3.0 mm
Thickness @ selvage	3.0 mm, 2.8 mm(minimum)
Net mass per unit area	4060 g/m ²
Bottom coating thickness	1.0 mm
Coverage*	9.1 m ²
Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Sanded
Back surfacing	Heat activated bitumen strips
Selvage surface	Self-adhesive with release film
Selvage width	76 mm
End lap	152 mm

* Coverage rate as reported assumes recommended side and end lap installation.

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PROPERTIES

Properties	TEST METHOD	MD	XMD
Peak load @ -18 °C	ASTM D5147	20.1 kN/m	15.8 kN/m
Elongation at peak load @ -18 °C	ASTM D5147	35 %	40 %
Peak load @ 23 °C	ASTM D5147	14.9 kN/m	11.4 kN/m
Elongation at peak load @ 23 °C	ASTM D5147	55 %	60 %
Ultimate elongation @ 23 °C	ASTM D5147	65 %	80 %
Tear strength @ 23 °C	ASTM D5147	556 N	378 N
Low temperature flexibility	ASTM D5147	-26 °C	-26 °C
Dimensional stability	ASTM D5147	< 0.5 %	< 0.5 %
Compound stability	ASTM D5147	116 °C	116 °C

(All values are nominal)

STORAGE & HANDLING

Store rolls on end and maintain rolls in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental exposures. Monitor varying environmental conditions during storage, handling and the application of **COLVENT 180 TG**.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.

Note: Field service where provided, does not constitute supervisory responsibility. Suggestions made by Soprema Australia Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Soprema Australia Pty Ltd are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
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Amendment	
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