

# COLVENT® 180 TG

Heat-welded, SBS-Modified Bitumen Vented Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10066 - REV 230621

## PRODUCT NUMBERS:

- 00383 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll

## DESCRIPTION & FEATURES:

**COLVENT 180 TG** is a SBS-modified bitumen membrane used in roofing assemblies. **COLVENT 180 TG** is reinforced with a tough, dimensionally stable non-woven polyester mat that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- Engineered to reduce blistering associated with moisture-retentive lightweight concrete surfaces
- Underside features heat-activated ribbon strips that create venting channels between the substrate and the membrane
- Sanded-surfacing improves bonding strength between system layers
- Meets or exceeds requirements of ASTM D6164, Type I, Grade S

## USES:

**COLVENT 180 TG** is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Base Ply	Cold-Applied Modified Bitumen <sup>1</sup>
	Self-Adhered Modified Bitumen <sup>1</sup>
	Adhered PVC (fleece-back) <sup>2</sup>
	Liquid-Applied PMMA/PMA
Flashing Base Ply	Cold-Applied Modified Bitumen <sup>1</sup>
	Self-Adhered Modified Bitumen <sup>1</sup>
	Liquid-Applied PMMA/PMA
	Liquid-Applied Polyurethane-Bitumen <sup>1</sup>
Vapor Retarder	Rigid Insulation <sup>3</sup>
	Lightweight Concrete <sup>3</sup>

<sup>1</sup> Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual

<sup>2</sup> Refer to SOPREMA's PVC/SBS Hybrid Membrane Roofing Technical Manual

<sup>3</sup> Refer to SOPREMA's Vapor Retarder Technical Manual, Low-Slope Roofing

## APPLICATION:



Prior to installation, unroll **COLVENT 180 TG** onto the roof surface and allow to relax. Place **COLVENT 180 TG** in desired position and back roll the product. **COLVENT 180 TG** is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to **COLVENT 180 TG** via heat welding.

Refer to the SOPREMA SBS-Modified Bitumen Membrane Roofing Technical Manual for complete application guidelines.

## STORAGE:

Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

## TESTING & APPROVALS:



## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.



# COLVENT® 180 TG

Heat-welded, SBS-Modified Bitumen Vented Base Ply



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10066 - REV 230621

## TECHNICAL INFORMATION & TESTING:

### SHEET PROPERTIES

PROPERTY	VALUE
<b>Composition</b>	Proprietary blend of bitumen and SBS polymers
<b>ASTM Standard</b>	D6164, Type I, Grade S
<b>Reinforcement</b>	Non-woven polyester
<b>Top surfacing</b>	Sanded
<b>Back surfacing</b>	Heat activated bitumen strips with burn-off release film
<b>Selvage surfacing</b>	Polyolefin film
<b>Selvage width, in (mm)</b>	3 (76)

### DIMENSIONS & MASS

PROPERTY	VALUE	ASTM TEST METHOD
<b>Length, ft (m)</b>	32.8 (10.0)	D5147
<b>Width, in (m)</b>	39.4 (1.0)	D5147
<b>Coverage,* ft<sup>2</sup> (m<sup>2</sup>)</b>	97.9 (13.7)	D5147
<b>Roll weight, lb (kg)</b>	93 (42.3)	D5147
<b>Rolls per pallet</b>	25	D5147
<b>Pallet weight, lb (kg)</b>	2,375 (1,080)	D5147
<b>Thickness (minimum), mils (mm)</b>	110 (2.8)	D5147
<b>Thickness (nominal), mils (mm)</b>	118 (3.0)	D5147
<b>Net mass per unit area, lb/100 ft<sup>2</sup> (g/m<sup>2</sup>)</b>	79 (3,876)	D5147
<b>Bottom coating thickness, mils (mm)</b>	≥ 40 (1.0)	D5147

\*Coverage rate as reported assumes installation using side and end lap recommendations.

### PHYSICAL PROPERTIES

PROPERTY	MD	XMD	ASTM TEST METHOD
<b>Peak load @ 0°F (-18°C), lbf/in (kN/m)</b>	115 (20.1)	90 (15.8)	D5147
<b>Elongation at peak load @ 0°F (-18°C), %</b>	35	40	D5147
<b>Peak load @ 73.4°F (23°C), lbf/in (kN/m)</b>	85 (14.9)	65 (11.4)	D5147
<b>Elongation at peak load @ 73.4°F (23°C), %</b>	55	60	D5147
<b>Ultimate Elongation @ 73.4°F (23°C), %</b>	65	80	D5147
<b>Tear strength @ 73.4°F (23°C), lbf (N)</b>	125 (556)	85 (378)	D5147
<b>Low temperature flexibility, °F (°C)</b>	-15 (-26)	-15 (-26)	D5147
<b>Dimensional stability, %</b>	< 0.5	< 0.5	D5147
<b>Compound stability, °F (°C)</b>	240 (116)	240 (116)	D5147

Data is represented by average values, unless noted otherwise.