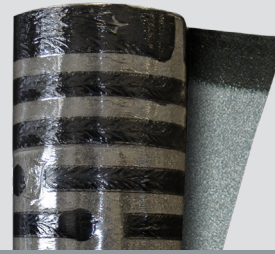


# COLVENT® FLAM 180 FR GR

Heat-welded, SBS-Modified Bitumen Vented Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10069 - REV 230621

## PRODUCT NUMBERS:

- 01986 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll  
Standard white granules (WH)

## DESCRIPTION & FEATURES:

**COLVENT FLAM 180 FR GR** is an SBS-modified bitumen vented membrane used as a recover on existing roofing membranes. **COLVENT FLAM 180 FR GR** 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
- Granule surfacing provides added resistance to weathering and foot traffic
- Meets or exceeds requirements of ASTM D6164, Type I, Grade G

## USES:

**COLVENT FLAM 180 FR GR** is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Recover Ply <sup>1</sup>	N/A
Flashing Recover Ply <sup>1</sup>	N/A

## APPLICATION:



Prime the existing roof surface substrate using ELASTOCOL 500 primer, refer to primer product data sheet for application instructions. Unroll the sheet onto the roof surface and allow to relax prior to installation. During application, as **COLVENT FLAM 180 FR GR** 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 SOPREMA's published technical literature for additional details and application requirements.

## 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:

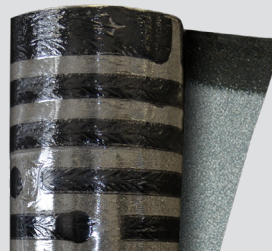


## WARRANTY:

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

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## 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 G
<b>Reinforcement</b>	Non-woven polyester
<b>Top surfacing</b>	Ceramic coated granules
<b>Back surfacing</b>	Heat activated bitumen strips with release film

DIMENSIONS & MASS		
PROPERTY	VALUE	ASTM TEST METHOD
<b>Length</b> , ft (m)	32.8 (10.0)	D5147
<b>Width</b> , in (m)	39.4 (1.0)	D5147
<b>Coverage</b> ,* ft <sup>2</sup> (m <sup>2</sup> )	97.9 (9.1)	D5147
<b>Roll weight</b> , lb (kg)	129 (58.7)	D5147
<b>Rolls per pallet</b>	20	D5147
<b>Pallet weight</b> , lb (kg)	2,630 (1,197)	D5147
<b>Thickness (minimum)</b> , mils (mm)	150 (3.8)	D5147
<b>Thickness (nominal)</b> , mils (mm)	157 (4.0)	D5147
<b>Thickness (selvage)</b> , mils (mm)	120 (3.0)	D5147
<b>Net mass per unit area</b> , lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	117 (5,715)	D5147
<b>Bottom coating thickness</b> , mils (mm)	≥ 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)</b> , lbf/in (kN/m)	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)</b> , lbf/in (kN/m)	85 (14.9)	65 (11.4)	D5147
<b>Elongation at peak load @ 73.4°F (23°C)</b> , %	50	60	D5147
<b>Ultimate elongation @ 73.4°F (23°C)</b> , %	55	75	D5147
<b>Tear strength @ 73.4°F (23°C)</b> , lbf (N)	125 (556)	85 (378)	D5147
<b>Low temperature flexibility</b> , °F (°C)	-15 (-26)	-15 (-26)	D5147
<b>Dimensional stability</b> , %	< 0.5	< 0.5	D5147
<b>Compound stability</b> , °F (°C)	250 (121)	250 (121)	D5147
<b>Granule embedment</b> , g	≤ 1.5		D5147

Data is represented by average values, unless noted otherwise.

RADIATIVE PROPERTIES						
PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
COLVENT FLAM 180 FR GR Standard white granules (WH)	0.26 initial	0.23 3 year	0.90 initial	0.89 3 year	25 initial	23 3 year