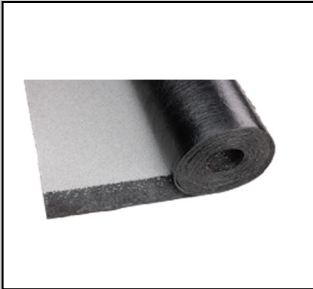


# Product Data Sheet



## APP 180 Cool

Item Description	Item Number
1 roll - white (1 square)	W80PWS180CN
1 roll - black (1 square)	W80PBS180CN

### Description

APP 180 Cool is a granule-surfaced APP modified bitumen roofing membrane designed to be installed with GenFlex All-Purpose MB Cold Adhesive. It consists of select asphalt, modified with atactic polypropylene, and strengthened with a fiber glass reinforced polyester nonwoven mat [190 g/m<sup>2</sup> (3.9 lb/100 ft<sup>2</sup>)] made with 100% recycled PET fibers. The combination results in a flexible and durable material that exceeds the performance requirements of ASTM D 6222 Type I, Grade G. APP 180 Cool is a membrane that is strong and stable, and resistant to natural forces and other factors on the rooftop. It is ideal for both new construction and re-roofing applications as a cap sheet or as a flashing sheet in single or multi-ply APP applications.

**NOTE:** Meets or exceeds performance requirements of ASTM D 6222, Type I, Grade G.

### Method of Application

Refer to current GenFlex Technical Specifications for additional instructions.

**IMPORTANT: Ensure the receiving surfaces are free of debris and no moisture is present.**

1. APP 180 Cool must be fully adhered with GenFlex Multi-Purpose MB Cold Adhesive.
2. Please reference the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of APP 180 Cool.

### Acceptable Immediate Substrates for Cold Adhesive Application

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Approved GenFlex base sheet.
- Existing Smooth Surface BUR or APP Modified Bitumen (must be clean, smooth, and primed with ASTM D-41 primer).
- DensDeck® Prime, SECUROCK® Gypsum Fiber.
- Flat & Tapered ISO / GL ISO, HD ISO Cover Board, HD Composite, and Coated Glass ISO / CG ISO

**NOTE:** Please reference the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the type of deck and insulation in use.

### Storage

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 100 °F (38 °C) so that it will be 50 °F (10 °C) or above at the time of application.
- Do not stack APP 180 Cool membrane more than two (2) pallets high.
- If the material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet, stored on end, and covered from the weather with a light-colored opaque tarp in a neat, safe manner that does not exceed the allowable load limit of the storage area.

## Precautions

- For safety information, refer to the Safety Data Sheet (SDS) for APP Membranes and Flashing.
- Take care when transporting and handling GenFlex Modified Bitumen rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all GenFlex Modified Bitumen membranes.
- Refer to Safety Data Sheets (SDS) for additional safety information.

## LEED® Information

Post-Consumer Recycled Content: 6%  
 Post Industrial Recycled Content: 0%  
 Manufacturing Location: Beech Grove, IN



NOTE: LEED® is a registered trademark of the U.S. Green Building Council



## Product Packaging

Property	Value
Roll width	39 in (1 m)
Roll length	32 ft 10 in (10 m)
Net coverage	98 ft <sup>2</sup> (9.1 m <sup>2</sup> )
Roll weight	116.5 lb (52.84 kg)
Pallet size	48 in x 39 in (1.2 m x 1 m)
Rolls per pallet	20
Weight per pallet	2330 lb (1056.87 kg)

## Typical Properties - NOTE: The initial SRI for standard white membrane is 33. The SRI for black membrane is N/A.

Property	Test Method	ASTM Standard Required Value	Typical Performance
Product thickness	D5147	160 mil (4 mm)	165 mil (4.2 mm)
Net mass	D146	70 lb/100 ft <sup>2</sup> (3418 g/m <sup>2</sup> )	104 lb/100 ft <sup>2</sup> (5078 g/m <sup>2</sup> )
Bottom side coating	D5147	30 mil (0.76 mm)	47 mil (1.2 mm)
Peak load at 73 °F (23 °C)	D5147	50 lbf/in, MD (8.8 kN/m) 50 lbf/in, XMD (8.8 kN/m)	55 lbf/in, MD (9.6 kN/m) 55 lbf/in, XMD (9.6 kN/m)
Elongation at peak load at 73 °F (23 °C)	D5147	23%, MD; 23%, XMD	30%, MD; 30%, XMD
Peak load at 0 °F (-18 °C)	D5147	60 lbf/in, MD (10.5 kN/m) 60 lbf/in, XMD (10.5 kN/m)	65 lbf/in, MD (11.4 kN/m) 65 lbf/in, XMD (11.4 kN/m)
Elongation @ peak load 0 °F (-18 °C)	D5147	10%, MD; 10%, XMD	15%, MD; 15%, XMD
Ultimate elongation @ 5% of peak load 73 °F (23 °C)	D5147	30%, MD; 30%, XMD	40%, MD; 40%, XMD
Tear strength at 73 °F (23 °C)	D5147, D4073	70 lbf/in, MD (311 N, MD) 70 lbf/in, XMD (311 N, XMD)	75 lbf/in, MD (334 N, MD) 75 lbf/in, XMD (334 N, XMD)
Low temperature flexibility	D5147	32 °F (0 °C)	32 °F (0 °C)
Dimensional stability	D5147, D1204	1% change, MD, 1% change, XMD	.2% change, MD, .2% change, XMD
Compound stability	D5147	230 °F (110 °C)	270 °F (132 °C)
Granule Embedment, max loss	D4977	2 g	0.5 g
Water absorption	D5147, D95	3.2%	0%
Moisture content	D5147, D95	1%	0%
Low temperature unrolling	D5636	41 °F (5 °C)	0 °F (-18 °C)

Please contact Amrize Technical Services at 800-428-4511 for further information.

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