

Technical Information Sheet



APP 80 GLASS BASE

Item Description	Item Number
1 Roll (2 Squares)	W70FTS0802
Meets or exceeds performance requirements of ASTM D 6509.	

DESCRIPTION

APP 80 Glass Base is a smooth-surfaced APP modified bitumen roofing base sheet designed to be heat-welded. It consists of select asphalt, modified with atactic polypropylene, and reinforced with a 1.8 lb/100 ft² (90 g/m²) non-woven glass fiber mat. The combination results in a flexible, durable, smooth-surfaced base sheet that exceeds the performance requirements of ASTM D 6509. APP 80 Glass Base membranes are ideal for both new construction and re-roofing applications as a base sheet in multi-ply and flashing applications.

PRODUCT PACKAGING			
Property	Value	Property	Value
Roll Width	3 ft 3 in (1 m)	Pallet Size	48 x 39 in (1.2 x 1 m)
Roll Length	65 ft 4 in (19.9 m)	Rolls Per Pallet	20
Net Coverage	196 ft ² (18.2 m ²)	Weight per Pallet	2,230 lb (1011.51 kg)
Roll Weight	111.5 lb (50.58 kg)		

METHOD OF APPLICATION

1. APP 80 Glass Base must be installed by fully heat welding the membrane to an appropriate substrate.
2. Please reference the Elevate Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of APP 80 Glass Base.

ACCEPTABLE IMMEDIATE SUBSTRATES FOR HEAT-WELDED APPLICATION

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Existing Smooth Surface BUR or APP Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer).
- DensDeck® Prime, SECUROCK® Gypsum Fiber.

NOTE: Please reference the Elevate 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 80 Glass Base 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 Elevate 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 Elevate Modified Bitumen membranes.
- Refer to Safety Data Sheets (SDS) for additional safety information.

LEED® INFORMATION

Post-Consumer Recycled Content: 0 %

Post Industrial Recycled Content: 0 %

Manufacturing Location: Beech Grove, IN

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



TYPICAL PROPERTIES

Properties	Test Method	Performance Minimum	Typical Performance
Product Thickness	D 5147	70 mil (1.8 mm)	80 mil (2.0 mm)
Net Mass	D 146	40 lb/100 ft ² (1,952 g/m ²)	45 lb/100 ft ² (2,197 g/m ²)
Bottom Side Coating	D 5147	30 mil (0.76 mm)	43 mil (1.09 mm)
Peak Load at 0 °F (-18 °C)	D 5147	70 lbf/in, MD (12.2 kN/m, MD)	75 lbf/in, MD (13.1 kN/m, MD)
		70 lbf/in, XMD (12.2 kN/m, XMD)	75 lbf/in, XMD (13.1 kN/m, XMD)
Elongation at Peak Load at 0 °F (-18 °C)	D 5147	1%, MD	10%, MD
		1%, XMD	10%, XMD
Peak Load at 73 °F (23 °C)	D 5147	50 lbf/in, MD (8.8 kN/m, MD)	55 lbf/in, MD (9.6 kN/m, MD)
		50 lbf/in, XMD (8.8 kN/m, XMD)	55 lbf/in, XMD (9.6 kN/m, XMD)
Elongation at Peak Load at 73 °F (23 °C)	D 5147	2%, MD	20%, MD
		2%, XMD	20%, XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	70 lbf, MD (311 N, MD)	75 lbf, MD (334 N, MD)
		70 lbf, XMD (311 N, XMD)	75 lbf, MD (334 N, XMD)

TIS 411

August 14, 2025

Sales: (800) 428-4442

Technical: (800) 428-4511

Page 2

TYPICAL PROPERTIES (Continued)			
Properties	Test Method	Performance Minimum	Typical Performance
Low Temperature Flexibility	D 5147	32 °F (0 °C)	32 °F (0 °C)
Dimensional Stability	D 5147, D 1204	2% Change, MD	.2% Change, MD
		2% Change, XMD	.2% Change, XMD
Compound Stability	D 5147	230 °F (110 °C)	270 °F (132 °C)
Water Absorption	D 5147, D 95	3.2%	0%
Moisture Content	D 5147, D 95	1%	0%
Low Temperature Unrolling	D 5636	41 °F (5 °C)	0 °F (-18 °C)

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Amrize takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Amrize nor its representatives practice architecture. Amrize offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Amrize accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Amrize representative is authorized to vary this disclaimer.

TIS 411

August 14, 2025

Sales: (800) 428-4442

Technical: (800) 428-4511

Page 3