

EDILFLEX APP ST 40 PLUS



DESCRIPTION

EDILFLEX APP ST 40 Plus is a modified bitumen membrane consisting of asphalt modified with atactic polypropylene resins and reinforced with a 140 g/m² nonwoven polyester mat. The modified bitumen combined with the polyester reinforcement results in a flexible, highly durable, smooth surfaced roofing membrane. Atactic Polypropylene modified bitumen improves asphalt's natural waterproofing characteristics, increases system performance, and provides resistance to the effects of UV light degradation.

COMPOSITION

- Bitumen.
- IPP, PE, APP mono and copolymer.
- Mineral filler.
- Nonwoven polyester mat.

RECOMMENDED USES

- Ideal for new construction and reroofing applications on low or steep slope roofs of any size or deck type.
- An excellent base ply in a multilayer waterproofing system when used in combination with a cap sheet such as EDILFLEX APP GT 4.2, or EDILFLEX APP GRANULATED 40 PLUS.

ADVANTAGES

- Our nonwoven polyester fiber reinforcing mat allows for better elongation than many modified bitumen membranes.
- An ideal solution to waterproofing in cold weather.
- Can be used by itself in single layer system or as a base ply in multi-layer system.

PRODUCT DATA

SPECIFICATION	MINIMUM REQUIREMENT	RANK REQUIREMENT	EDIL TYPICAL
Roll Width, ft (m)	-----	-----	3'3" (1.0)
Length Roll, ft (m)	-----	-----	32' 10" (10.0)
Net Coverage, sq. ft (m ²)	-----	-----	98 (9.1)
Pounds per 100 sq. ft	86	-----	88
Grams/sq. m	4200	-----	4300
Roll Weight, lb (Kg)	-----	-----	94.6 (43)
Thickness, mils (mm)	149.6	149.6 -157.5 (3.80 - 4.00)	154 (3.89)
Back Coating, mil (mm)	30 (0.76)	-----	90.5 (2.3)

APPLICATION

- For direct installation to existing smooth asphalt surfaces, prime the surface with an asphalt primer.



- Protect insulations in new roof systems from open flames.
- Position the membrane over the substrate. The membrane will be adhered by heating the underside of the membrane with a roofing torch evenly across the polyethylene burn off film and the selvage edge (lap) area of the previously installed sheet. Apply sufficient heat to cause the bitumen to begin to melt. Ensure the burn-off film is completely removed.
- Do not install torch grade products directly to wood or combustible roof decks or insulations.

STORAGE AND HANDLING

EDIL Polyester rolls must be stored on a vertical position to prevent damage and flattening of the roll. All EDIL rolls should be stored at a minimum of 50°F (10°C) and a maximum of 140°F (60°C) and must be stored so that it will be a minimum of 59°F (15°C) at application. EDIL products should be stored indoors in a clean, dry area. Should storage on the roof be required before application, then said materials must be kept elevated from the roof surface on pallets and covered from the weather with an opaque tarpaulin.

SHIPPING INFORMATION

- Pallet size: (115 cm x 100 cm) wooden pallets, covered with a shrink wrap plastic bag.
- Units per pallet: 20 rolls per pallet.
- Approximate weight per pallet: 2050 lb (930 kg).
- Pallets per 40' container: 24 pallets per 40' container

PRECAUTIONS IN THE APPLICATION

- Use care when transporting and handling membrane to avoid puncture or other damage.
- Segregate membrane from waste products, petroleum products, grease, mineral or vegetable oils and animals fats.
- Refer to MSDS for hazardous material precautions.
- Do not install directly over combustible substrates.
- Do not install over solvent-based primers or mastics that have not completely flashed off.
- Use caution when working near flammable liquids
- Use safety gloves and safety glasses during torch installation..

PHYSICAL PROPERTIES AND SPECIFICATIONS

	REQUIREMENT	EDIL
Method ASTM D 5147-11a	Minimum	Typical
Tensile Strength		
@ 73°F (23°C) MD	45 (7.8)	53.7 (9.4)
@ 73°F (23°C) CD	39 (6.8)	49 (8.6)
Elongation, %		
@ 73°F (23°C) MD	30	≥ 40
@ 73°F (23°C) CD	33	≥ 60
Tear Strength, lbf (N)		
@ 73°F (23°C) MD	51 (225)	56 (250)
@ 73°F (23°C) CD	44 (196)	53 (196)
Low Temperature Flexibility, maximum °F (°C)	14 (-10)	14 (-10)
Water Absorption, max., %	1	0.92
High Temperature Stability, minimum °F (°C)	230 (115)	248 (120)
Softening Point, °F (°C)	302 (150)	311 (155)

Manufacture an ISO 9001-2015 registered facility ISO 9001-2000 certificate 9001-362-10505, issued on 05-2005 **EDIL C.A.** member since 1990.



EDILFLEX APP ST 40 PLUS

- 1- Smooth Surface.
- 2- APP Modified Asphalt.
- 3- Polyester Mat.
- 4- APP Modified Asphalt.

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