

## DESCRIPTION

**APP 160 Smooth** is a modified membrane consisting of asphalt modified with atactic polyolefin resins, reinforced with a 180 g/m<sup>2</sup> non-woven polyester mat. The combination modified bitumen-polyester reinforcement results in a flexible, highly durable, smooth surfaced roofing membrane. Modified bitumen improves asphalt's natural waterproofing characteristic, increases system performance and provides resistance to the effects of UV rays and heat. Complies ASTM D6222-11 type I, Grade S.

## COMPOSITION

Bitumen 180/220 1/10 mm.  
 IPP, PE, APP homo and co-polymer.  
 Mineral filler.

## RECOMMENDED USES

- APP 160 Smooth is ideal for new construction and re-roofing single ply applications, low or high slope roofs of any size or kind of deck even those with numerous penetration.
- APP 160 Smooth surface is an excellent solution like cap sheet in double layer waterproofing system in combination with a base sheet likes APP GRN White/Black.

## PERFORMANCE ADVANTAGES

- APP 160 Smooth non woven polyester fiber mat allows it a better elongation than any other common single ply membranes.
- APP 160 Smooth is the solution to waterproofing in very cold weather.
- APP 160 Smooth in single ply system may be covered with aluminum paint, acrylics paint, concrete topping, Edil Asphalt shingles and tiles.

## PRODUCT DATA

ASTM D6222-11 Type I, Grade S.

	Minimum Requirement	EDIL Typical
Roll Width , ft (m)	-----	3.28 (1)
Length Roll , ft (m)	-----	32.8 (10)
Net Coverage, sq. ft (m <sup>2</sup> )	-----	98 (9.1)
Pounds per 100 sq. ft	70	88
Grams/sq.m	3417.4	4300
Roll Weight, lb (Kg)	-----	97 (44)
Thickness, mils (mm)	140 (3.5)	153.5 (3.9)
Back Coating , mil (mm)	30	39 (1 mm)



## APPLICATION

- After positioning the membrane over the substrate, the membrane will be adhered by passing the flame of the torch evenly across the burn-off film and the lap area of the previously installed sheet, until the membrane bitumen begins to melt. Ensure the burn-off film is completely melted.
- Torch application on primed surfaces. Do not prime wooden roofs.
- To seal overlaps and outer edges when use smooth membrane use torch flame and hot spatula.

## STORAGE AND HANDLING

- Edil Polyester rolls must be stored upright prevent damage and flattening of the roll. All 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 (4°C) at application.
- Rolls should be placed out of weather in a clean, dry area. If material must be temporarily on the roof before application, they must be kept elevated from the roof surface on a pallet and covered from the weather with a opaque tarp.