



# EDILFLEX APP St 170

## PRODUCT CODE

### DESCRIPTION

EDILFLEX APP St 170 is a modified membrane consisting of asphalt modified with a tactic polyolefin resins, reinforced with a 180 g/m2 non-woven polyester mat. The combination modified bitumen-polyester reinforcement results in a flexible, high durability, smooth surfaced roofing membrane. Modified bitumen improve asphalt's natural Waterproofing characteristics, increase system performance and provides resistance to the effects of U V ray 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

\*EDILFLEX APP St 170 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.  
 \*EDILFLEX APP St 170 smooth surfaced is an excellent solution like base sheet in double layer waterproofing system in combination with a cap sheet EDILFLEX APP Gt 180

### PERFORMANCE ADVANTAGES

\* EDILFLEX APP St 170 non woven polyester fiber mat allows it a better elongation than any other common single ply membranes.  
 \* EDILFLEX APP St 170 is the solution to waterproofing in very cold weather.  
 \* EDILFLEX APP St 170 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 , inch (m)	-----	39.3/8" (1.0)
Length Roll , ft (m)	-----	32'10" (10.0)
Net Coverage, sq. ft (m2)	-----	98 (9.1)
Pounds per 100 sq. ft	70	94
Grams/sq.m	3418	4600
Roll Weight, lb (Kg)	-----	102.5 (46.5)
Thickness, mils (mm)	140 (3,5)	150 (3,8)
Back Coating , mil (mm)	30	50 (1.3 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:

\*EDILFLEX APP St 170 rolls must be stored on end to prevent damage and flattening of the roll. All rolls should be stored at a minimum of 40° F (4° C) and a maximum of 140° F (60° C) and on the roof, must be stored so that it will be at a minimum of 40° 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 trap.

### SHIPPING INFORMATION:

Pallets size 45"x 45" (115 cm x115 cm)  
 Rolls per pallet 20  
 Weight per pallet 2090 lb (950 Kg)  
 Pallet per truck load 22

### PRECAUTIONS

\* Take care when transporting and handling membrane to avoid puncture or other damage.  
 \* Isolate membrane from waste products, petroleum products, grease, mineral or vegetable oils and animals fats.  
 \* Refer to MSDS for hazardous material precautions

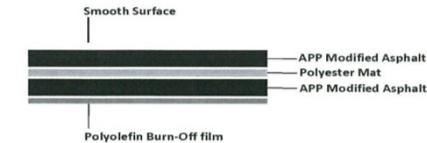
### CAUTION

\* Torch application shall be carry out only when primer is dry, to avoid fire when solvent base is used or bubbles forming when emulsion primer is used.  
 \* Do not use open fire near of solvent base primer vessel.  
 \* Use safety gloves and eye-glasses during membrane torch installation.

### Physical Properties

#### ASTM D6222-11 type I, Grade S

	Requirement	EDIL
<b>Method ASTM D 5147-11</b>	<b>minimum</b>	<b>typical</b>
<b>Tensile Strength, lbf/in (kN/m)</b>		
@ 73°F (23°C) CD	50(8.8)	≥98 (17.1)
@ 0°F (-18°C) MD	50(8.8)	≥70 (12.8)
@ 0°F (-18°C) CD	60 (14)	≥89(20.7)
@ 0°F (-18°C) CD	60(14)	≥61(14.3)
<b>Elongation, %</b>		
@ 73°F (23°C) MD	23	≥50
@ 73°F (23°C) CD	23	≥50
@ 0°F (-18°C)	10	≥47
@ 0°F (-18°C)	10	≥37
<b>Ultimate elongation at 5% peak load</b>		
@ 73°F(23°C) MD	30	≥40
@ 73°F(23°C) CD	30	≥50
<b>Tear Strength, lbf (N)</b>		
@ 73°F (23°C) MD	70 (311.5)	≥ 107 (475.3)
@ 73°F (23°C) CD	70 (311.5)	≥ 77 (342.5)
<b>Low Temperature Flexibility, maximum. °F (°C)</b>	32 (0)	10 (-12)
<b>Water Absorption, max. , %</b>	3.2	0.92
<b>High Temperature Stability °F (°C)</b>	230 (110)	248(120)
<b>Softening point, ° F ( ° C)</b>	-----	302(150)



 **EDILFLEX APP St 170** Meets ASTM 6222, Type I, Grade S. Tested in accordance with ASTM D5147.



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