



# EPS FLAM STICK

EPS FLAM STICK (33B)

Order No. 06011

## DESCRIPTION & APPLICATION

EPS Flam Stick membrane is composed of a special elastomeric modified bitumen blend of SBS and other polymers, which is applied onto glass mat/glass grid composite reinforcement. The base membrane ply has a self-adhesive underside with plastic burn-off film topside. The membrane is bonded to the properly prepared and/or primed substrate (where required) when the release film is removed and the self-adhesive underside is matted onto the approved substrate using applied pressure. Apply pressure to the membrane roll ends to insure proper bonding to the substrate. Self-adhesive side laps\* are matted together and sealed using applied pressure. End laps and "T" Joints are sealed using hot air welding techniques or where applicable, heat welding or flashing trowel grade cold adhesive. An Approved granulated field cap membrane ply is heat welded onto the EPS Flam Stick.

EPS Flam Stick is specifically designed for direct application, without priming, to Approved 4 x 4 Polystyrene Roof Insulation. Direct application to polystyrene limits how the cap sheet can be adhered. See published Specifications and Approved Details.

\* Depending upon weather conditions including but not limited to ambient and self-adhesive material temperatures, humidity, wind, cloud and sun factors, the entire self-adhesive underside of the membrane including the seam area may need to be heat activated to insure acceptable adhesion and a watertight self-adhesive seam (roofer must test membrane and seam bonds to determine which method is required to insure proper bonding and watertight side and end laps). Certain weather conditions will require the side laps to be either heat welded or hot air welded closed. End laps and "T" Joints are sealed using either heat welding or hot air welding techniques.

## COMPOSITION & PACKAGING

Product/ Property	EPS Flam Stick
Reinforcement	glass mat/glass grid
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	plastic burn-off film
Underside	self-adhesive
Approximate Nominal Thickness	108 mils (2.7 mm)
Approximate Roll Coverage	156 ft <sup>2</sup> (14.5 m <sup>2</sup> )
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	49 ft (15 m)
Roll Width	39" (1 m)
Approximate Roll Weight	90 lbs (40.8 kg)
Rolls per Pallet*	25

\*Rolls stocked upright on pallet.



## PHYSICAL PROPERTIES

Physical Property per ASTM D 6163, Type II, Grade S	MD	XD
Tensile - Max Load at $0 \pm 3.6^\circ\text{F}$ lbf/in	175	
Elongation at $0 \pm 3.6^\circ\text{F}$ %	8	
Tensile - Max Load at $73.4 \pm 3.6^\circ\text{F}$ lbf/in	134	
Elongation at $73.4 \pm 3.6^\circ\text{F}$ %	10	
Tear Strength at $73.4 \pm 3.6^\circ\text{F}$ lbf	130	
Low Temperature Flex $^\circ\text{F}$ max	-15	-15
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp F	250	250
Adhesion to Plywood per ASTM D 903 lb/in	16 (ASTM D 1970)	NA
Water Vapor Permeability per ASTM E 96	<0.1	NA
Minimum values before and after Heat Conditioning Test results for manufacturing plant in Wadsworth, OH		

## APPROVALS

FM Approvals; Underwriters Laboratories, Inc. File #R11436; ICC/ES; Miami-Dade County;  
ISO-9001:2000

## WARRANTY

Contact your local SOPREMA representative for project warranty offerings.