

EMSEAL AST Hi-Acrylic

FEATURES AND BENEFITS

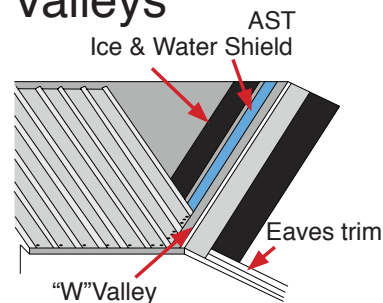
- Will not dry out and become hard and brittle
- UV-stable
- Highly resistant to bugs and vermin
- Will not extrude from between joints like caulk or butyl tapes
- Conforms to contours and fills gaps
- Maintains a seal during thermal expansion and contraction of building panels
- Excellent compressibility and recovery (minimal compression set)
- Good thermal and sound insulator
- No shrinkage or blow-out due to closed-cell breakage
- Supplied with self-adhesive on one side. After removal of packaging, material begins gradual expansion - more slowly in cold weather than in hot.



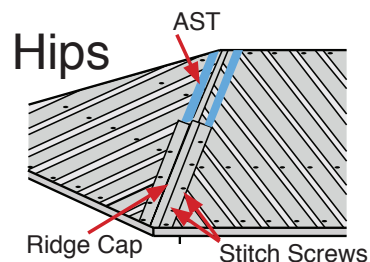
SUPPLIED SIZE	EXPANDED SIZE	LF/BOX	REELS PER BOX	REEL LENGTH
1/4" x 1"	1" x 1"	511.68 LF	26	19.7"
3/8" x 1"	1 1/2" x 1"	314.88 LF	24	13.1"

TABLE 1: TYPICAL PHYSICAL PROPERTIES OF AST		
PROPERTY	VALUE	TEST METHOD
BASE MATERIAL	OPEN CELL, HIGH DENSITY, POLY-URETHANE FOAM	N/A
IMPREGNATION	ACRYLIC-MODIFIED ASPHALT	N/A
COLOR	BLACK	N/A
TENSILE STRENGTH	21 PSI MIN (145 kPa)	ASTM D3574
ELONGATION - ULTIMATE	150% MIN	ASTM D3574
TEMPERATURE RANGE		ASTM C711
HIGH-PERMANENT	185°F (85°C)	
HIGH-SHORT TERM	203°F (95°C)	
LOW	-40°F (-40°C)	
SOFTENING POINT	140°F MIN (60°C)	ASTM D816
UV RESISTENCE	EXCELLENT	
MILDEW RESISTENCE	EXCELLENT	
RESISTENCE TO AGING	EXCELLENT	
BLEEDING	NONE (WHEN COMPRESSED DOWN TO 20 % OF UNCOMPRESSED THICKNESS)	
-40°F TO 180°F		
(-40°F TO 85°F)		
COMPRESSION SET	3 % MAX	ASTM D3574
70°C 50% RH AFTER 72HRS		
THERMAL CONDUCTIVITY	0.34 BTU. IN/HR. FT ² .°F (0.05 W/M. °C)	ASTM C518
LOW. TEMP. FLEXIBILITY	NO CRACKING OR SPLITTING	ASTM C711
32°F TO -10°F		
(0°C TO -23°C)		
WATER VAPOR TRANSMISSION AT 25% COMPRESSION	0.011 PERMS	ASTM C355-64

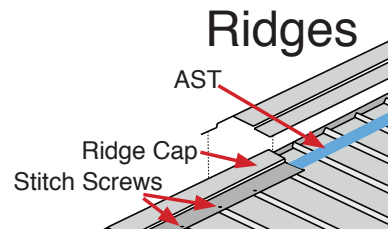
Valleys



Hips



Ridges



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