



Advanced Composite Technology

ROOFING



# AC MetalSeal II

## Poly Surfaced Self Adhesive Underlayment for Metal Roofing

### KEY PROPERTIES

- Superior Slip Resistant Polyethylene Surface
- Thermally stable up to 260°
- 45 Day Exposure Time
- Self Adhesive & Cold Applied
- Rugged Barrier Against Foot Traffic

### DESCRIPTION

AC MetalSeal II is a durable, self adhesive composite underlayment, specifically designed to withstand the rigors of a commercial construction site. The strong, slip resistant, polypropylene surface provides a rugged barrier to physical damage, UV degradation, weather and moisture. The unique, modified asphalt adhesive layer offers the application benefits of cold temperature adhesion and exceptional thermal stability under high heat. The self adhesive layer is covered with a high temperature release sheet which is removed during installation.

AC MetalSeal II composite is 40 mil (1mm) thick and is supplied in 200 sq. ft. (3' x 66.6') (.9 m x 20.3 m) rolls. AC MetalSeal II is self adhesive and cold-applied. No special adhesives, heat or equipment are necessary to install AC MetalSeal II.

### USES

AC MetalSeal II is an excellent underlayment for metal roofs. AC MetalSeal II prevents moisture entry into structures by sealing uniformly to the deck and around nail penetrations. AC MetalSeal II can serve as a temporary roof to protect the structure until the primary roofing system is installed. AC MetalSeal II may be exposed for a maximum of 45 days.

### APPLICATION

- AC MetalSeal II should be installed when ambient and substrate temperatures are 40°F (4.4°C) or higher. Remove all dirt, dust, loose nails and debris.

- AC MetalSeal II can be installed directly to the structural deck. Cut the membrane into manageable lengths, typically 10' - 12'. Align the membrane parallel to the roof edge, extending over the roof eave by 1/4". Fold the membrane away from the edge onto itself. Remove the lower half of the release sheet. Place the membrane with the exposed rubberized asphalt onto the deck, pressing firmly into place. Repeat the process with the upper half of the membrane. Overlap successive courses 3". End laps should overlap 6".

### Details

- At valleys, a continuous sheet shall be centered in the valley and overlapped by each course a minimum of 6".

- When AC MetalSeal II is to be adhered to any metal surface, priming with asphalt primer meeting ASTM D41 is required.

<b>TECHNICAL DATA</b>		
<b>AC METALSEAL II</b>		
<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>MINIMUM VALUE</b>
Tensile Strength	ASTM D 412	25 lbs/in (psi)
Elongation (Rubberized Asphalt)	ASTM D 412	250%
Low Temperature Flexibility -25°F (-32°C)	ASTM D 1970	Unaffected
Adhesion to Plywood	ASTM D 903	9 lb/in (528 N/M)
Permeance	ASTM E 96	0.01 perms (max)

## **STANDARDS AND CODE APPROVALS**

- ASTM D 1970 Standard Ice Dam Underlayment

## **SAFETY, STORAGE AND HANDLING**

Pallets of AC MetalSeal II shall not be double stacked on the job site. Provide cover on top and sides, allowing for adequate ventilation.

Consult the Material Safety Data Sheet for best available information on the safe handling, storage, personal protection, health and environmental considerations.



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