



1. PRODUCT NAME

ATA-SHIELD™ SELF-ADHERING UNDERLAYMENT

2. SUPPLIER

ATAS INTERNATIONAL, INC.
website: www.atas.com
email: info@atas.com
Corporate Headquarters:
Allentown, PA 18106
Phone: (800) 468-1441

3. PRODUCT DESCRIPTION

Basic Uses:

ATA-Shield is a self-adhering underlayment designed specifically for use under metal roofing. This membrane is well suited for use where a water resistant barrier is required. It is formulated to withstand the high heat environment generated by some metal roofing systems.

Composition and Materials:

ATA-Shield is composed of an unreinforced polymer-modified bitumin material adhered to the underside of a polymer-coated synthetic woven material.

Size:

The ATA-Shield membrane is 45 mils thick and is available in rolls 3' wide by 72' long. Each roll weighs 48 pounds and covers approximately 200 sq. ft. of roof surface. Split/perforated release backing film aids in easy positioning of sheets to maintain a proper line.

4. TECHNICAL DATA

- ASTM D5147
Minimum Thickness 45 mils
- ASTM D903
Adhesion to plywood 4 lbs/in
- ASTM D1970
Tensile Strength MD 100 lbs/in CD 80 lbs/in
Tear Resistance MD 140 lbs CD 100 lbs
Self Seal Ability -Pass
Thermal Stability @ 240° F - Pass
- ICC AC 48
Low Temp Flexibility -Pass
- Weight per square 24 lbs
- Temperature Range 240° F to 40° F
- ASTM D1970 Thermal stability @ 240° F - Pass
- ASTM D1970 Flexibility
Temperature: -20°F
- ASTM D4073 Tear resistance
Longitudinal, min., 20 lbf
Transverse, min., 20 lbf
- ASTM E96 Moisture vapor permeability, max: 0.1U.S. Perms

- ASTM D1970 Sec 7.10 Sealability around nail: Pass
- ASTM D1970 Sec. 7.10 Waterproof integrity after low temperature flexibility: Pass
- ASTM D1970 Sec. 7.10 Waterproof integrity of lap seam: Pass
- Slip Resistance: Greater than asphalt saturated felt when tested under same conditions.

5. INSTALLATION

Recommended Application:

ATA-Shield uses include, but are not limited to, application under metal roofing where a water resistant barrier is required. It is also suited for application in desert climatic conditions. ATA-Shield has been specially formulated to be high temperature resistant up to 240°F. Installation details or hands-on training via seminars are available through ATAS. Visit www.atas.com for more information.

Application Methods:

ATA-Shield must be installed above properly ventilated areas, as it's considered a vapor barrier. Apply ATA-Shield only in dry weather, when the air, membrane and the substrate are at temperature over 40°F. Protect completed roof areas to avoid damage during roof installation and material transportation by installing protective boardwalks to enable passage of people and products. It is recommended to use a double layer of ATA-Shield and repair any damage in critical areas, such as the valleys or along the eaves in climates where severe ice damming is expected. For high wind or wind driven rain protection it is recommended to cover the entire roof deck with ATA-Shield.

ATA-Shield is to be laid out horizontally (parallel) to the eave with the printed side up, using 3" horizontal laps and 6" vertical laps. Prior to application of the second course remove the white release liner tape to expose the lap seal asphalt. Care should be taken not to walk on or contaminate the lap seal once exposed.

Apply the membrane in valleys before the membrane is applied to the eaves. Cut the membrane into 10 -15 foot lengths and re-roll loosely. Peel back 1-2 feet of release liner, align the membrane, and continue to peel the release liner from the membrane. Hand press first followed by a heavy pressure roller to smooth and secure the membrane, especially at the overlaps layers. For valleys and ridge applications, peel the release liner; center the sheet over the valley or ridge, drape, and hand press in place followed by a pressure roller. When left exposed prior to application of primary roof covering, secure membrane in place, carefully sealing the laps, to protect against uplift from wind exposure. ATA-Shield offers up to 6 months UV exposure rating.

6. AVAILABILITY AND COST

Availability:

ATA-Shield is available through ATAS product distributors.

Cost:

Contact ATAS product distributors for cost.

7. WARRANTY

ATA-Shield is covered by a thirty (30) year limited warranty.

8. MAINTENANCE

General Storage Requirements: All materials should be stored in their original unopened packaging. Roll goods shall be stored on end on a clean flat surface. Store all roofing materials in a dry place, on raised platform, out of direct exposure to the elements until time of application. This requirement applies equally to rooftop materials, temporarily on the roof before installation. Store membrane at room temperature whenever possible until immediately prior to installing the roll. Materials shall be stored in a safe way in order to avoid exceeding the allowable live load of the storage area. Do not double stack pallets of ATA Shield membrane.

9. TECHNICAL SERVICES

Complete technical information and literature are available at www.atas.com. ATAS will assist with design ideas and shop drawings.

10. FILING SYSTEM

- www.atas.com
- Additional product information is available from the manufacturer upon request.

