SB[1] WEATHER ARMOR® SELF-BOND® ROOF UNDERLAYMENT

TECHNICAL DATA SHEET

MIAMI-DADE COUNTY APPROVED

CLASSIFIED UL

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Size	36" x 66.7'
Area	Approx. 2 Squares
Thickness (ASTM D1970)	60 mil
Maximum Load, MD/CD (ASTM D1970)	>50 lbf/in
Elongation at break, min. of modified bitumen portion (ASTM D1970)	>10%
Tear Resistance, MD/CD (ASTM D1970)	>60 lbf/in
Moisture Vapor Permeability (ASTM E96)	0.05 perms
Adhesion to Plywood @40F (ASTM D1970)	>6 lbf/in
Adhesion to Plywood @75F (ASTM D1970)	>14 lbf/in
Sealibility around nail (ASTM D1970)	Pass
Waterproof integrity after low temp. flexibility	Pass
Waterproof integrity of lap seam (ASTM D1970)	Pass
Slip Resistance (ASTM D1970)	Pass
Low Temperature Flexibility (ASTM D1970)	Pass
Self Saleability (ASTM 1970)	Pass

DESCRIPTION:

APOC® Weather Armor® SB[1] Self-Bond® Roof Underlayment is a premium, all-purpose roof underlayment and leak barrier. SB-1 Self-Bond® underlayment is ideal for use under shingle, slate, wood shake, or other steep slope roofing materials. Engineered with high strength reinforcement, exceptional elasticity and a non-skid mineral finish. SB-1 provides a highly rubberized and flexible waterproofing membrane that keeps your home or building dry and provides a cleaner and healthier environment to live in. This product can be used over an entire roof deck or for sealing critical areas on your roof such as perimeter edges, valleys, details, metal joints and penetrations. For severe or harsh climates (ice, snow, strong winds or heavy rain), full roof coverage is recommended. Weather Armor® SB[1] Self-Bond® Roof Underlayment is a blend of highly flexible and elastic polymers, performance grade bitumen, high strength glass reinforcement and anti-slip mineral surfacing. It is easy to install and utilizes a split release film for easier positioning, faster installation and clean lines.

PREPARATION:

Ensure the deck is dry, smooth and without voids or unsupported areas. Remove all existing nails, fasteners or staples. All decayed, rotting, rusted or broken materials must be removed and replaced before installing roof underlayments. Deck must be in sound condition, stable and secured to sound framing with the correct fasteners, clips and spacing as per local building codes and or primary roofing products manufacturers published specifications. If using new OSB sheathing or plywood, a gap should be left between sheets to allow for expansion and contraction of new sheathing and prevent bulging and ridges from forming. Spacing should be approximately 1/8" at end joints and 3/16" at side joints. To help alleviate expansion and contraction of new OSB or plywood, allow the material to be pre-conditioned prior to installation. Always ensure adequate roof and attic ventilation when applying waterproofing membranes. Apply only when material interface temperatures are 40 °F and rising. Lower temperatures will result in lower tack and reduce adhesion. If low temperatures are present during installation, product may be back-nailed to hold sheet in position during installation. As temperatures heat up, adhesive will activate and bond with substrate and seams. Priming is not required for clean and dry roof decks made of wood. Concrete and masonry deck surfaces require priming with APOC 103 asphalt primer (meeting ASTM D41 standards).

APPLICATION:

Always follow local buildings codes for your specific region. Run Weather-Armor SB[1] horizontally starting at the bottom edge of the roof with granular side up. Roll out materials onto existing roof deck and cut sheet to a suitable, workable length prior to placement. Align sheet with the lower edge of the roof (at the rake or side edge of roof) with the sheet extending over 1/4". Applications may require tacking of nails along upper edge of membrane to hold in place. Standing above the sheet on the roof deck, remove top half of release film from the sheet and apply firm even pressure from the center to the outer edges. Remove the release film from the remaining half of the sheet applying firm even pressure. Install in valleys, along roof edges or to seal penetrations as needed. For full coverage, install the next course, working up the slope of the roof, ensuring a minimum side overlap of 3" and an end overlap of 6". Ensure the sheet is applied over the area to cover the highest point of "ice damming". Where back-nailing is required, be sure that all nails are covered by the overlapping next sheet. Roll entire membrane surface, particularly end laps and side laps to ensure bonding of adhesive. Roller weight shall be 70 lb. for low slope and 28 lb. for steep slope. All penetrations must be sealed using APOC Liquid Flash prior to installing primary roofing materials. Lower temperatures cause self-adhesive layer to lose adhesive quality. Product applied at lower temperatures may be back-nailed to hold in position during application. Adhesion to deck and at laps will occur as ambient temperature increase and after a return to warmer weather.

COVERAGE RATE:

AP-4100-15: 150 SQ. FT. | 36" X 50' | 1.5 SQUARES

AP-4100-2: 200 SQ. FT. | 36" X 66.7' | 2 SQUARES

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Approx. Shipping Weights:

(Note: All approx. weights include container)

1.5 square Roll	52.5 lbs
2 square Roll	70 lbs
Rolls per Pallet	25
Weight of Pallet	1800 lbs

PERSONAL PROTECTIVE EQUIPMENT

EYEWEAR

PROTECTIVE CLOTHING

GLOVES

PRECAUTIONS:

This product is designed to be an air, water and vapor barrier and will retard the flow of moisture vapors when applied over the entire roof deck. In this application, ensure the roof and attic are properly vented. Lack of ventilation can result in trapped moisture resulting in deck deterioration or formation of mold. Always consult a design professional to address potential moisture entrapment and condensation issues. This can be in the form of ridge vents, solar / power vents, continuous ceiling vapor barrier or other ventilation products. Proper ventilation will help alleviate these concerns. In hot and arid climates, heat build-up can result in drying, cracking and premature aging of roofing materials and therefore venting is also required in hot climates. Always use personal fall protection devices and follow procedures in accordance with OSHA and local regulatory requirements. Use safety equipment such as tie-offs, safety lines, body harnesses, toe boards and ladders. Never walk on underlayments that have not been fully adhered or nailed down. Dusty, damp or wet conditions as well as certain shoes can result in slippery surfaces and create a fall hazard. Always be cognizant of where you are in relation to your surroundings including but not limited to: the edge of the roof, any projections, skylights and any other objects which could cause you to slip or fall. Falling from a roof can result in serious harm or death.

WARRANTY & DISCLAIMER:

Register your warranty for extended warranty terms within 60 days of the completion of the project at www.apoc.com/pages/warranty. APOC Roofing Systems, LLC hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any defects that may materially and adversely affect the product's performance for a period of one year from the date of original purchase.