

RMP SA-HT SELF ADHERED UNDERLAYMENT

ARCHITECTS & SPECIFIERS: SHINGLES, TILES & ROOF COVERINGS - 07305

1.) **PRODUCT NAME:** RMP SA-HT Self Adhered Roofing Underlayment

2.) **MANUFACTURER:**

Rollfab Metal Products, LLC, 2529 West Jackson Street, Phoenix, Arizona 85009
602-275-1676 Phone, 602-275-1739 Fax, Website: www.rollfabmetal.com

3.) **PRODUCT DESCRIPTION:**

BASIC USE:

RMP SA-HT; Self-adhered roofing underlayment is used on steep sloped roofs beneath shingles, tiles, metal, copper shake, slate, synthetic roofing and wood shake. **RMP SA-HT;** self-adhered roofing underlayment is a waterproofing membrane designed to reduce the occurrence of leaks caused by ice damming and wind driven rain conditions penetrating primary roof system coverings, as well as damaged roof coverings, and as temporary cover on exposed roof systems. **RMP SA-HT;** self-adhered underlayment is an advanced polymer formulation high temperature bituminous underlayment ideally suited for tile and metal roofing. **RMP SA-HT;** possesses STRONG-STEP skid resistant technology which provides superior applicator and roof loading traction safety, advanced UV technology for up to six (6) months of exposed roof protection. **RMP SA-HT;** utilizes a white (KOOL WHITE) technology to render the material low glare, and cool temperature during handling and installation, and reduces surface heat buildup by over eight (8) times compared to black asphalt felt paper.

COMPOSITION & MATERIALS:

RMP SA-HT: is self-adhered, steep sloped roofing underlayment comprised of an advanced formula HT bituminous waterproofing membrane layer; a high strength coated woven facer possessing STRONG-STEP skid resistant technology, and a siliconized poly split release liner.

PRECAUTIONS & LIMITATIONS:

- Depending on roof pitch and surface conditions (wet, dusty, frost, dew) coefficient of friction may change, and surface can become slippery.
- Consistent with good roofing practices as referenced by OSHA, use caution when walking or standing on roof deck, and always wear fall protection.
- In high wind or long term exposed roof conditions, follow installation instructions to increase fastening rate hold down force on the underlayment and seal laps.
- Do not leave permanently exposed to sunlight. **RMP SA-HT** is not designed to replace primary roof covering, but can be left exposed for up to six (6) months if installation instructions are followed.

4.) **TECHNICAL DATA:** Applicable Standards

ASTM INTERNATIONAL:

- ✓ ASTM D 1970-01; Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam.

- ✓ ASTM D 5147-02ae 1; Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Materials.
- ✓ ASTM D 2523-00; Standard Practice for Testing Load-Strain Properties of Roof Membranes.
- ✓ ASTM D 903-98 (2004); Standard Test Method for Peel or Stripping Strength of Adhesive Bonds.
- ✓ ASTM D 1204-02; Standard Test Method for Linear Dimensional Changes of Non-rigid Thermoplastic Sheeting or Film at Elevated Temperature.
- ✓ ASTM D 4073-94 (2003); Standard Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes.
- ✓ ASTM E 96-00e1; Standard Test Method for Water Vapor Transmission of Materials.

PHYSICAL PROPERTIES:

RMP SA-HT Self-Adhering Underlayment meets the physical and performance characteristics as indicated in Table 1.

TABLE ONE (1) – PHYSICAL PROPERTIES OF RMP SA-HT SELF-ADHERED UNDERLAYMENT		
TECHNICAL DATA PROPERTY	TEST METHOD	RMP SA-HT TYPICAL VALUE
Color	--	Kool-White
Top Surface	--	Strong-Step Anti-Skid Technology; Polymer
Bottom Release Liner	--	Silicone Split, Release Poly
Permeability	ASTM E96-00	0.01 Perms
Nominal Thickness	ASTM D1777	40 Mil (1 mm)
Nail Seal-ability	ASTM D1970	Pass
Lap Seal-ability	ASTM D1970	Pass
Tensile Strength	ASTM D226	121 lbf/in. (21kN/m)
Tear Strength	ASTM D4523	160 lbf/in. (28 kN/m)
Elongation	ASTM D2523-00	16%
Low Temperature Flexibility	ASTM D1970	-22° F (-30° C) – Pass
Adhesion to Plywood	ASTM-D1876	55 lbf/in. 75° F (9.6 kN/m; 24° C)
Adhesion to Plywood	ASTM-D1876	23 lbf/in. 40° F (4 kN/m; 4.4° C)
UV Exposure	ASTM G90	Six (6) months
Temperature Range	ASTM D1970	LT: 15° F (-9.°C) to HT 250° F (121° C)
Dimensions	--	36" x 66'.7" (91.4 cm x 20.3 m)
Square/Roll	--	2
Roll Weight	--	45 lbs. (21 kg)
Rolls/Pallet	--	30

5.) INSTALLATION:

FOR USE UNDER METAL, TILE, SLATE, WOOD SHAKE, COMPOSITION SHINGLES **RMP SA-HT** Self-Adhering membrane is bonded to a properly prepared, dry (not damp), and clean substrate which is defined as, but is not limited too; free of dirt, dust, debris, oils, un-adhered coatings, protrusions, voids any other contaminates that may result in a surface that is not sound or is un-even and affects the adhesion of the membrane to the substrate.

Acceptable substrates for **RMP SA-HT** are plywood, OSB, wood plank or composition, concrete, masonry, faced gypsum and approved insulation. Other surfaces may be acceptable, but the installer is responsible to determine acceptable substrate surface and whether priming is required so that **RMP SA-HT** will stay adhered to that substrate.

RMP SA-HT must be installed above property ventilated space (follow all building codes applicable to you region and structure type) as it is considered a vapor barrier (.1 perms). Installation of **RMP SA-HT** membrane occurs when the release film is removed and the self-adhesive underside is matted onto the approved substrate using applied pressure. **RMP SA-HT** is manufactured with a three (3) inch **salvage edge** on one side and only this side will be used on a lengthwise overlap when being installed. For vertical laps, use six (6) inch (152mm) overlap, except in ice damming applications, use a twelve (12) inch (305 cm) overlap. Starting at the low point, and with salvage edge at the high point, position horizontally a full roll or cut the membrane into ten to fifteen (10'-15') feet (3-5 m) lengths and re-roll loosely. Peel back one to two ft. (1'-2') (300-600mm) of release film, align the membrane, and continue to peel the release film from the membrane. Press the membrane in place with heavy hand pressure. Apply uniform pressure to the membrane roll side and end laps to insure water tightness and bonding to the substrate.

Always work from the low to the high point of the roof. Follow good roofing practice by orientating **RMP SA-HT** so side laps shed water. Apply the membrane in valleys before membrane is to the eaves. For valley and ridge application, peel the release film; center the sheet over the valley or ridge, drape, and press into place. Work the center of the valley or ridge outward in each direction. Following placement, along the eaves, continue application of the membrane up slope. If nailing of the membrane is necessary on steep slopes, especially during hot or cold weather, back nail and cover the nails by overlapping with the next sheet.

Winter climates can produce ice dams and snow loads against exterior siding while wind driven rains can create headwater heights that challenge the water tightness of exhaust vents, skylights and exterior wall siding. Extend **RMP SA-HT** to the height as recommended by the local building code or to the highest locally expected level in order to maintain water tightness from wind driven rain, headwater back-up, ice dams and snow load.

Release liners are slippery. Remove from work area immediately after membrane application. Do not fold over the roof edge unless the edge is protected by a drip edge, gutter or other flashing material. Do not install on the chamfered edges of wood plank. Do not install directly on old roof coverings. Do not install directly under roof coverings especially sensitive to corrosion, such as zinc, without providing proper ventilation. Repair holes, fish mouths, tears and damage with a round patch of membrane extending past the damaged area six" (6) inches (150mm) in all directions. If fasteners are removed leaving holes in the membrane, they must be patched. The membrane may not self-seal open fastener penetrations. Do not install fasteners through the membrane over unsupported membrane areas of the structural deck, such as over the joints between adjacent structural panels **RMP SA-HT** has a minimal application temperature of 40°F. The membrane, deck surface, and the air shall be at a temperature of 40°F or greater during installation. Prior to sealing onto EPDM, PVC Coal Tar Pitch or polysulfide, contact SDP Advanced Polymer Products, Inc.

RMP SA-HT is not designed to replace the primary roof covering material, or for indefinite outdoor exposure. The finished roof must completely cover the membrane. Final roofing must be installed within six (6) months.

AS WITH ANY ROOFING PRODUCT, OBSERVE ALL SAFE ROOFING CODES AND PRACTICES (OSHA Regulations, Fall Protection Systems Criteria and Practices – 1926.502). USE CAUTION WHEN WALKING OR STANDING ON **RMP SA-HT**, AS SKID RESISTANCE MAY CHANGE WITH WET, DUST OR FROST CONDITIONS, AND ROOF PITCH. FAILURE TO USE PROPER SAFETY GEAR AND FOOTWEAR CAN RESULT IN SERIOUS INJURY.

6.) AVAILABILITY AND COST:

AVAILABILITY:

RMP SA-HT is strategically located warehouses and dealers across the USA stock **RMP SA-HT** synthetic roofing underlayment.

COST:

RMP SA-HT is competitively priced with leading, non-granular self-adhered, HT underlayment products.

7.) WARRANTY:

RMP SA-HT is backed by a twenty-five (25) year limited warranty.

8.) MAINTENANCE:

When installed in accordance with manufacturer's recommendations, **RMP SA-HT** synthetic roofing underlayment will not require maintenance.

9.) TECHNICAL SERVICES:

Support is provided by technically trained **RMP** representatives and technical service personnel, and backed by advanced R&D staff. For technical assistance, call, 602-275-1676, or email; info@rollfabmetal.com.

10.) FILING SYSTEMS:

Additional product information is available from the manufacturer.

Disclaimer:

Rollfab **Metal** Products, LLC, hopes the information here will be useful. It is based upon data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendation or suggestions in conjunction with our condition of sale which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright.

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