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SOL-R-SKIN SA

DESCRIPTION

Sol-R-Skin SA is a high heat premium membrane composed of a high strength slip resistant spider web backing laminated to a high performance high heat asphalt compound with a film release for ease of application. The release liner is removed leaving a strong asphalt compound to bond to the roof deck.

FEATURES AND BENEFITS

Construction today utilizes more unique applications for energy efficiency by incorporating more insulation, longer lasting roof coverings and in general longer construction cycles. The ongoing chances contribute to roof top temperatures, color of roof and various types of pitches the roof has. All these make it difficult to know what the roof will experience. Selecting a product suitable for all anticipated conditions is crucial for a successful roof design.

Sol-R-Skin SA is designed to help in high temperature applications. The high temperature resistance allows the membrane to be exposed to heat of 260° or less. It has superior adhesion to the roof deck. *Sol-R-Skin SA* is self sealing and will seal around nails which will resist leakage caused by water backing up due to ice dams or wind driven rains. When applied according to specifications and recommendations it will keep the roof deck and supporting structure dry.

USES

Sol-R-Skin SA is a waterproofing underlayment manufactured for use on sloped roof decks and is suitable under most traditional roof coverings such as shingles for both commercial and residential and metal roofs. On Copper, Cor-Ten®, or zinc metal roofing in high altitudes contact *International Insulation Products* for recommendations. *Sol-R-Skin SA* resists water penetration from water backup due to ice dams or wind driven rain. It also waterproofs potential leak areas such as protrusions, skylights, valleys and other flashing areas. *Sol-R-Skin SA* should be used in conjunction with designs that will minimize ice dam formation. It is important to utilize insulation and ventilation to reduce the size of the ice dams in order to reduce the amount of condensation that can build up. This is more especially in the colder climate areas and mountainous regions. Cathedral ceilings must include ventilation between the rafters to allow for air flow to a ridge vent.

Many variables can influence the height of the ice dams and the coverage of membrane required. This includes the slope, climate, overhang, valleys, exposure, insulation and ventilation. Consult your *International Insulation Products* Representative with concerns or questions not listed.

PREPARATION

Sol-R-Skin SA can be installed directly to a clean dry structural deck. Suitable substrates included plywood, wood composite, metal, concrete, wood plank or gypsum sheathing. All dust, loose nails, old roofing materials and dirt must be removed prior to application of the membrane. Decks must not have voids, unsupported or damaged areas. Wood plank substrate must be butted tight together. The membrane cannot span a crack larger than 1/16".

If liquid adhesive is required, never apply liquid adhesives to wet or frozen surfaces. If temperature is under 55°F and over 32°F *650 LT Liquid Adhesive* or *ShurTac Liquid Adhesive* which is the low VOC liquid adhesive may be used to promote adhesion. The underlayment should be kept warm until needed if cold temperatures exist. If the temperature is greater than 45°F, liquid adhesive is

optional. When substrate is ready, apply liquid adhesive at a rate of 300 - 350 sq. ft per gallon for *650 LT Liquid Adhesive* or up to 500 sq. ft. per gallon depending on porosity of the substrate and using a short nap roller, brush, squeegee, or spray apparatus. Allow liquid adhesive to dry for one hour or until tack-free. Prime only the area which can be covered with underlayment in the same working day. Areas primed and not covered within 24 hours should be reprimed. Do not apply liquid adhesive at heavier rates than recommended. Excessive material build-up will delay drying and underlayment application. *Liquid Adhesive* must be used on masonry, concrete or Densglass Gold. If wood composite and gypsum sheathing adhesion is marginal liquid adhesive should be used to enhance adhesion to substrate.

UNDERLAYMENT INSTALLATION

Underlayment should be applied with a 6" minimum end and a 3" side overlap. Cut underlayment into 10-15 foot lengths and reroll. Starting at the base or lower edge of the roof, apply underlayment with the long edge parallel to the edge of the roof. Unroll the underlayment by pulling the release sheet from under the underlayment. Roll the surface with a small hand type roller or hand pressure during application to eliminate minor wrinkles and air pockets. Most local building codes and the *National Roofing Contractors Association* recommend underlayment application from roof edge to 24" within the interior wall line of the building. Since snow loads vary by area, local conditions should be considered during specification. Apply underlayment to ridges or valleys, slit to proper width and with approximately half of the underlayment width applied on either side of the ridge or valley. Cut the underlayment into approximately 6' lengths for placing on irregular contoured surfaces for ease of application. Install roofing valleys from the low point to the high point shingling the underlayment. Overlap all ridge and valley underlayment by 6". In mountainous areas with considerable snow, it may be necessary to apply underlayment on the entire roof area. The consideration as to whether this is done will depend upon how far melted water under the shingles would reach a given climatic location with a given roof pitch.

Repair holes, tears, fishmouths and any damage to membrane with a piece of *Sol-R-Skin SA* extending past damage a minimum of 6" in all directions. Fasteners or screws must stay in but if removed they must be patched. *Sol-R-Skin SA* may not self seal around these areas.

DELIVERY AND HANDLING

Materials should be delivered in the manufacturer's original, unopened packaging with labels attached. All materials must be handled in a manner to prevent damage. Any material damaged must be removed from the project area and replaced with new material. Products must be handled in accordance with manufacturer's guidelines. Material Safety Data Sheets must be reviewed for guidance on flammability and other dangers of any liquid adhesives to be used; instructions for safety should be fully followed.

LIMITATIONS

Roofing material can be applied promptly over the underlayment. The material cannot be guaranteed for UV stability if left exposed for over 60 days. Avoid folding the underlayment over the roof edge unless protected by flashing, gutters, or drip caps. If drip caps are used, do not install underlayment on top of drip cap. Underlayment can be folded over roof edge underneath drip cap.

The underlayment is a vapor barrier. Adequate ventilation must be provided to prevent condensation of moisture on roof deck after an application, especially for full roof underlayment coverage. Do not install directly under roof coverings especially sensitive to corrosion, such as zinc, without providing proper ventilation. No other use of these materials is to be made without prior approval of manufacturer as to service and method of application.

PRECAUTIONS

The information in this data sheet is designed to be helpful to the reader. It is based on experience and information considered to be accurate and true. Readers should carefully consider and verify the information with investigation of any areas with uncertainty. *International Insulation Products* does not warrant the results to be obtained. Additionally, please read everything here in conjunction with *International Insulation Products* conditions of sale, which are applicable to everything supplied by us. No statement here is intended for any use which would infringe any patent or copyright.

International Insulation Products. will replace material not meeting our manufacturer's specifications one year from the date of sale. Made in the U.S.A.

NOTE: UNDERLAYMENT MEMBRANE IS SLIPPERY WHEN WET. WORKMEN SHOULD USE SHOES WITH SUFFICIENT SOLE FRICTION TO AVOID SLIDING OR SLIPPING ON THE MATERIAL. AVOID WALKING ON THIS MATERIAL WHEN WET. USE GOOD ROOFING PRACTICES, ALWAYS WEAR FALL PROTECTION WHEN WORKING ON A ROOF DECK. SOL-R-SKIN SA IS NOT COMPATIBLE WITH EPDM OR TPO ROOFING SYSTEMS. DO NOT ALLOW TO COME IN CONTACT WITH FLEXIBLE PVC, POLYSULFIEDS OR HIGH CONCENTRATIONS OF RESINS SUCH AS PITCH.

SAFETY

All *International Insulation Products* must be handled in a safe manner. Some products (some mastics or primers) contain solvents, and these deserve special attention to safety since their vapors are both flammable and harmful if inhaled. Additionally, certain 2 component products contain especially hazardous components.

The purchaser is responsible for complying with all applicable federal, state, or local laws and regulations covering use of the product including waste disposal.

Property / Unit	Test Method	Typical Value
Film Color		White
Total Underlayment Thickness		40 mils
Softening Point	ASTM D-36	>260°F
Elongation - Ultimate Failure of Rubberized Asphalt	ASTM D 412 - Die C (Modified)	> 400% (minimum)
Tensile Strength	ASTM D 412 Die C (Modified)	550 psi (minimum)
Low Temperature Pliability	ASTM D 146	No effect
Permeance	ASTM E 96	0.01
Water Absorption	ASTM D 1970	< 0.1%
Peel Adhesion	ASTM D 1970	> 4 lb / in width
Lap Adhesion	ASTM D 1970	> 10 lb / in width

This information is based on our best knowledge, but *International Insulation Products* cannot guarantee the results obtained.