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TECHNICAL DATA SHEET

HEAT REFLECTIVE COATING

Physical Properties

Accelerated Weathering 1000 hrs Pass - No cracking or checking (ASTM D-4798)	Fungi resistance, rating 0 (ASTM G-21)	Tensile Strength Film (Initial) >240 psi (ASTM D-2370)
Appearance Smooth Paint Like	Maximum VOC 25 g/l	Thermal Emittance 0.90 (ASTM C-1371)
Application Temperature 50° F and rising	Near Normal Emittance (LEED) 0.94 (ASTM E-408)	Viscosity 115 - 130 KU (ASTM D-562)
Brookfield Viscosity 35,000-48,000 cPs (ASTM D-2196)	pH >9.0	Water Swelling, Mass% <11.0 (ASTM D-471)
Color White	Solar Reflectance Index 112 (ASTM E-1980)	Water Vapor Permeance <7.0 (ASTM E-96)
Elongation (Initial) >250% (ASTM D-2370)	Solar Reflectance, Initial 0.88 (ASTM C-1549)	Wet Adhesion to Concrete Substrate, pli >5.8 (ASTM D-794/D-903)
Elongation after 1000 hr. WOM >230% (ASTM D-2370)	Solids By Volume >52.0% (ASTM D-2697)	Wet Adhesion to Galvanized Metal, pli >10.5 (ASTM D-794/D-903)
Flash Point Non-Flammable	Solids By Weight >65.0%	Wet Adhesion to SBS Mod. Bitumen, pli >7.5 (ASTM D-794/D-903)
Freezability Do not freeze	Tear Resistance >80 lbf/in (ASTM D-624)	

Approvals and Certifications

Meets ASTM D-6083, Energy Star.

Description

WHITE ELASTOMERIC ROOF COATING is a water-based 100% acrylic latex coating. It is designed to reduce surface temperature and penetration of the sun's rays, which helps lower roof and interior temperatures as well as energy costs. Properly applied, it is highly resistant to disbonding, chalking, mildew, fungi, and discoloration.

Usage

Previously coated acrylic and aluminum roofs, asphalt emulsion, aged asphalt, including Built-Up Roofing (BUR) and Modified Bitumen (MB), aged EPDM and PVC roofs, metal roofs, concrete roofs, and recoating acrylic coated Spray Polyurethane Foam (SPF) roofs.

Systems Installations: Refer to appropriate Guide Specifications for required coverage rates and warranty guidelines.

Madhur Construction Chemical

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Coverage

Smooth Surfaces: Approximately 100 sq. ft. per 3.8 Kg, applied as two coats. For 20 dry mils, approximately 100 sq. ft. per 1 1/4 gallons, applied as two coats.

Rough Surfaces: Approximately 100 sq.ft. per 6 to 9 Kg depending on porosity and roughness of surface, applied as two coats.

Surface Preparation

Clean: Before coating the roof, use a pressure washer or high pressure nozzle and water hose to wash the roof with a non-filming detergent, such as TSP or TSP substitute. Use appropriate pressure and take caution not to inject water into the roofing substrate. In areas with stubborn dirt, grease or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat mildew or mold. Remove rust on metal with a wire brush, sandblast, or mechanically abrade. Give the roof a final rinse to ensure it is free of all detergent or anything else that could affect adhesion. Using a leaf blower or broom, clear any remaining dust, dirt, debris, and other foreign material that may prevent proper adhesion.

Repair: Inspect area to be coated. Repair all cracks, splits, and holes by layering **Johnberg Polyester Fabric, Or Any Other Polyester Fabric** between two heavy coats of **Johnberg White Roofing Sealant - Elastomeric** and allow to form a skin and set up - from 2 to 24 hours, depending on depth of fill and weather conditions - before coating. Tighten or replace fasteners on metal roofs as necessary. Seal fasteners and seams with **Johnberg White Roofing Sealant - Elastomeric** and allow to cure. Ensure all roof drains and gutters are clean and clear, and cut back any vegetation that is growing above the roof which may cause debris to fall on the roof and clog drains and gutters in the future. All roof areas must promote positive drainage. Contact Henry Product Support for water ponding areas and other questions regarding repair of existing roof.

Application

Apply: Seal leaks prior to application. Apply on a sunny day when roof surface is warm to the touch. Surface must be dry. If the roof surface is too hot to touch (>140°F/60°C), it is too hot to coat. Stir coating thoroughly and apply with heavy-duty sprayer or a deep-pile paint roller with wood handle and metal threads, keeping strokes in one direction. For newly-applied asphalt emulsion, proceed as soon as it has cured, normally 1-7 days. Please consult Henry Product Support for specific questions regarding application of this product.

Recoat: Apply second coat when the first is dry, preferably on the same day. For large roofs, apply two coats to one section per day. Allow to dry fully between coats. Schedule work so that coating has 2 hours to dry before nightfall. Apply second coat at right angles to first coat.

Precautions

DO NOT THIN. DO NOT APPLY WHEN AIR TEMPERATURE IS BELOW 50°F (10°C), OR IF THERE IS A THREAT OF RAIN, FOG, DEW, OR TEMPERATURES BELOW 50°F (10°C) WITHIN 48-72 HOURS. Do not heat container or store at temperatures greater than 120°F (49°C). When transporting, make sure the pail is secured and the lid is tight to prevent spills. **DO NOT ALLOW COATING IN PAIL TO FREEZE.** This coating is not recommended over plywood, walking decks, gravel, uncoated polyurethane foam, TPO roofing, shingles of any kind, or old roofs that are too dry and brittle to withstand the shrinkage stresses that occur after the application of any coating. Do not apply to wet or saturated roofs. Wear sunglasses when applying in the sun.

Cleanup

Before coating dries, clean hands, tools, spillage, etc., with warm soapy water. If coating has dried, clean hands with waterless hand cleaner. Soften the dried film on tools with mineral spirits, then scrape clean. When using mineral spirits, exercise safe practices concerning flammability and toxicity.

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Caution

Warning: Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Prevention: Wash thoroughly after handling. Avoid breathing mists and sprays. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs; Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Storage: Store in a well-ventilated place. Store locked up.

Disposal: Dispose of contents/containers in accordance with local/regional/national/international regulations.

See safety data sheet for further details regarding the safe use of this product.

KEEP OUT OF REACH OF CHILDREN.

FOR EXTERIOR USE ONLY.

KEEP FROM FREEZING.

Warning: This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

Product Sizes

1 Kg, 5 Kg, 20 Kg, 25 Kg, 50 Kg, 200 Kg.

Limited Warranty

LIMITED PRODUCT WARRANTY: We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control; therefore, Henry Company cannot guarantee results of the application of the coating including, but not limited to: appearance, watertightness, and suitability of the substrate. The substrate to be coated must be structurally sound and have reasonable life expectancy prior to being coated. We will replace at no charge any product proved to have a material defect within 12-years of purchase, provided it has been applied in accordance with our written directions for uses we recommended a suitable for this product. Proof of purchase must be provided. This warranty is void if the coating is coated over, patched, painted, or covered in any way with any product other than this coating or approved products. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY:** THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. IF PURCHASER DOES NOT ACCEPT THESE TERMS OF HENRY'S LIMITED WARRANTY, PURCHASER MAY RETURN ALL CONTAINERS OR PACKAGES OF PRODUCT PURCHASED FOR A FULL REFUND (PROVIDED THE CONTAINERS OR PACKAGING IS UNOPENED AND LESS SHIPPING CHARGES IF ANY) WITHIN 30-DAYS OF PURCHASE. RETENTION OF PRODUCT BEYOND 30-DAYS FROM PURCHASE, OR USE OF PRODUCT SHALL CONSTITUTE ACCEPTANCE OF HENRY'S LIMITED WARRANTY TERMS, CONDITIONS AND DISCLAIMERS. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. For further details of Henry's product warranty, see our website at www.henry.com/warranty.

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