



#113



HYDRO-ALUMINUM **WATER-BASED ALUMINUM ROOF COATING**

TROPICAL ASPHALT's #113 HYDRO-ALUMINUM is a durable, water-based, specially formulated aluminum asphaltic emulsion which has been developed to resist rigorous weather conditions while protecting roof surfaces and contributing to substantial energy savings. **HYDRO-ALUMINUM #113** has excellent elongation and tensile strength. When properly applied, **HYDRO-ALUMINUM #113** reflects up to 55% of the sun's rays. **#113** prevents premature aging and roof burnout by reducing UV degradation and thermal shock. **HYDRO-ALUMINUM #113** dries to a flexible, slightly textured film with a beautiful metallic finish, which will significantly slow down the aging of the roof system. **HYDRO-ALUMINUM #113** is recommended for use on metal, smooth BUR, mineral surface, emulsion, composition shingle, and modified roof systems.

PREPARATION: Surface must be dry and free of dirt, dust, oil, grease, wax, rust, chalky or loose paint, mildew and any other surface contamination that may inhibit adhesion. Repair cracks, breaks, open seams, and other roof imperfections with a heavy sealer such as #950 Eternamastic or recommended caulking or flashing compounds. When coating over newly applied asphalt emulsions such as #360 Asphalt Emulsion, proceed when the emulsion is thoroughly dry and cured. **HYDRO-ALUMINUM #113** performs best when applied over new asphalt emulsion surfaces. The curing time of asphalt emulsion is 3 to 10 days in warm, dry weather.

APPLICATION: Clean surfaces thoroughly before applying **#113 HYDRO-ALUMINUM**, scrubbing with a detergent solution if necessary to remove oils and other residues. Flush immediately with a strong stream of water. Make sure wastewater is disposed of in accordance with all applicable environmental safety regulations. Stir thoroughly to ensure uniform application by brush or spray. Roller is less effective. For best results spray apply. If brushing, use a 24-inch wide soft bristle broom. Apply uniformly over entire roof surface. **HYDRO-ALUMINUM #113** may be applied over a damp (not wet) surface. Apply only when coating will not be subject to heavy dew, rain, or moisture within 72 hours of application. It may be necessary to cool down a very hot roof by spraying water to prevent excessively fast drying of the coating.

MAXIMUM V.O.C = 25 G/L

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COVERAGE: BUR—75 sq.ft. per gallon; Metal Roofing, smooth surfaces, emulsion surface—100 sq.ft. per gallon; Composition shingles and capsheet—35-50 sq.ft. per gallon. Coverage rates may vary depending on texture of surface.

PRECAUTION: Do not apply #113 **HYDRO-ALUMINUM** when surface or ambient temperature is less than 55°F, or if cold weather, rain, fog or heavy dew is expected within 72 hours of application. When applied properly, #113 is an excellent water repellent product. Nevertheless, #113 is not recommended on surfaces that pond water. Do not apply #113 **HYDRO-ALUMINUM** over asphalt emulsion prematurely. If #113 is applied over uncured asphalt emulsion, it may turn gray, dark gray, or brown. Do not apply #113 in the late afternoon or evening when the ambient temperature is low, if rain is imminent or dew is expected to form. This could cause graying, browning, or eggshell crazing. Drying time may vary depending upon wet film thickness, temperature, humidity, and air movement.

**DO NOT USE IF RAIN IS IMMINENT - DO NOT ALLOW #113 TO FREEZE
COATING MUST BE DRY BEFORE EXPOSURE TO WATER**

CLEAN UP: Fresh coating can be removed with warm water and soap. If material has started to dry, use mineral spirits or paint thinner.

CAUTION: DO NOT TAKE INTERNALLY! KEEP OUT OF REACH OF CHILDREN. Use protective measures to avoid contact with eyes and skin. If swallowed, CALL PHYSICIAN IMMEDIATELY! In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION! Close container after each use.

Calif. Prop.65 Chemical Warning (CALIFORNIA HEALTH AND SAFETY CODE #25249.5 ET SEQ) Detectable amounts of some chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm may be found in various Tropical Asphalt petroleum based products and their vapors. Read and follow label directions and information given on Material Safety Data Sheets and use care when handling or using all petroleum products.

Base: Asphalt Emulsion-ASTM D1227 Type III	Tensile Strength: 31 psi -ASTM D412
Pigment: Highly Polished Aluminum Flake	Application Temperature: Min. 55°F
Flammability: Wet-non flammable, Dry-Class A	Weight Per Gallon: Approx. 8.5#
Spectral Reflectance: 88% avg. - ASTM E97-77	Flexibility & Weatherability: Excellent
Elongation: 166% - ASTM D412	Drying Time: (70°F @50% r.h.) @ 100 sq.ft./gal=1hour

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