



PRODUCT PROFILE SHEET

WATERBORNE ACRYLIC HEAT REFLECTIVE ROOF COATING



Description:

SHEELD° is a Waterborne Acrylic Heat Reflective Roof Coating designed to reflect solar heat and ultraviolet rays (UV) as well as a protective coating for most roof substrates. Sheeld is extremely durable and provides superior protection and sealing capabilities and has excellent water resistance. This product is excellent for most flat roof and pitched roof substrates to reflect solar heat and UV rays as well as to help seal and protect the surface.

TECHNICAL DATA

Colors:	White
Viscosity:	75 - 80 KREB Units @77°F
Solids by Weight:	54%
Solids by Volume:	37%
V.O.C. (Volatile Organic Compounds):	48 grams per liter, 0.4 lbs. per gallon.
Solvent(s) Used:	Glycol Ethers
Finish:	Flat
Flash Point:	>200°F/TCC
Dry-To-Touch @ 77°F:	30 minutes
Dry-To-Handle @ 77°F:	2 hours, FULL CURE 7 days
Recoat time @ 77°F:	2 - 8 hours
Coverage (Theoretical):	100 square feet per 1-gallon per coat.

DIRECTIONS FOR USE

Surface Preparation

Using a pressure washer or high pressure nozzle on hose, use appropriate pressure to wash the surface with a non-filming detergent, such as TSP or TSP substitute. In areas with stubborn dirt, grease or other contaminants, use a stiff bristle brush to scrub the areas clean with additional water and non-filming detergent. Treat mildew or mold with a bleach solution. Give the surface a thorough rinse to ensure it is free of all detergent, bleach or anything else that could affect adhesion. Repair defects, such as splits, cracks, blisters, deteriorated flashing, cracked metal edging and any other defects affecting the surface seal. It is essential to be sure the substrate has a completely sealed surface before the coating is applied. Be sure to seal all roof penetrations, curbs, flashings, transition areas, areas where dissimilar materials intersect and other areas that could leak with a suitable sealant. Ensure all roof drains 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 in the future. On metal roofs, remove all rust and treat with a rust prohibiting spot primer. On all other roof substrates, if necessary, prime the roof before the roof coating is applied.

Mixing: Mix Sheeld Waterborne Acrylic Heat Reflective Roof Coating thoroughly prior to and during use with a minimum 3/4 horsepower air operated mixer. For a 5 gallon buckets, use a minimum 3" diameter mixing blade. Keep containers covered and sealed at all times during use.

Thinning: Apply at package consistency. DO NOT THIN.

Coverage: 100 square feet per 1-gallon per coat. A minimum of two coats are required.

APPLICATION:

Precaution: Not recommended for application at temperatures below 35 F (2 C) or if rain is expected within 1 hour of application. Lower temperatures will typically result in slower cure times.

Sheeld Waterborne Acrylic Heat Reflective Roof Coating should only be applied to a clean, dry and fully prepared roof substrate as described above. It may be applied with a 3/4" to 1 1/4" nap roller, brush or commercial airless spray. A minimum of two coats are required for smooth surfaces. On rougher surfaces, an additional one or two coats may be required to get a uniform, consistent thickness over the entire roof surface. Coating must be evenly applied and pinhole free. Additionally, older roofs which have dried out may soak up additional material during the first coat. Wait a minimum of 2 to 8 hours (but no longer than 48 hours) for each coat to fully cure (dependent on weather conditions, such as temperature and humidity) before applying additional coats. Apply subsequent coats perpendicular to the previous coat. For example, apply 1st coat north and south; apply 2nd coat east and west.

Clean-up

Clean-up of spray equipment containing may be accomplished by flushing with water.

WARNING: This product contains chemicals known to the State of California to cause cancer

CONTAINS: Silica, Silicone Dioxide, Titanium Dioxide, Trime-1, 3-Pentandiol, Monoisobutyrate, Oxirane, Polyalkylene Glycol, Crystalline Silica, Quartz.

NOTE: FOR USE BY PROFESSIONAL, TRAINED PERSONNEL, USING PROPER EQUIPMENT WITH STANDARD SAFETY PROCEDURES.

SHELF LIFE: Shelf life is 2 years from date of manufacture when stored at temperatures not to exceed 90°F.

WARNING! VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED.

Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application.

Follow respirator manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

EXCESS AND SPILLED MATERIAL DISPOSAL: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and any excess or unused material in accordance with local, state and federal regulations.

FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately. **DO NOT INDUCE VOMITING.**

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**DO NOT TAKE INTERNALLY
USE ONLY WITH ADEQUATE VENTILATION
KEEP OUT OF REACH OF CHILDREN
NON-PHOTOCHEMICALLY REACTIVE**

V.O.C.: 48 grams per liter, 0.4 lbs. per gallon.



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