

# PRODUCT DATA SHEET PROD. #850 ROOF SHIELD CLEAR 100% ACRYLIC COATING



#### PRODUCT DESCRIPTION

Roof Shield Clear 100% Acrylic Coating is designed to keep your roof looking clean and new by protecting it from harmful UV rays that can cause color fading and sealing it to minimize water absorption. This 100% Acrylic formula will decrease dirt pick-up and therefore the development of fungus, mold and mildew. Just one coat will retard efflorescence, enhance the substrates natural appearance and provide excellent gloss retention. It is VOC compliant and environmentally safe for a variety of uses. For Exterior Use Only.

	PRODUCT FEATURES	PRODUCT USES		PERFORMANCE QUALITIES		<b>VOC COMPLIANCE</b>	
•	100% Acrylic Formula	Suitable for the following properly prepared surfaces;		Product Quality:	Professional	AIM	Yes
•	Minimizes Water Absorption	<u>EXTERIOR</u>		Product Use:	Exterior	OTC	Yes
•	Protects from UV Rays	Unsealed Barrel Tile	Cedar Shakes	Application:	Brush, Roller Cover,	CARB	No
•	Resists Dirt Pick-UP	Flat Tile Roofs	Asphalt Shingle Roofs		Airless Spray	SCAQMD	No
•	Resists Fungus, Mold &	Wood Shingle Roofs	Etc.	Product System:	Water-Based	MPI#	No
	Mildew			Finish:	Satin	LEED® 09CI	N/A
•	Retards Efflorescence	Note: This Product Is Not Recommended To Be				LEED® 09NC	N/A
•	VOC Compliant	Used On Clay Tiles!				LEED® 09CS	N/A
•	Easy To Apply					LEED® H	N/A

#### SURFACE PREPARATION

<u>General:</u> The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material.

- All new cementitious surfaces should be allowed at least 60 days to properly dry/cure before application.
- Remove any loose scale, chalked, cracked or peeling paint from previously painted surfaces by hand scraping, sanding wire brushing and/or power tool cleaning, such as pressure washing or sandblasting.
- Repair/replace any damaged and/or delaminated surface areas, such as holes, cracks and surface imperfections with the proper cementitious patching compounds and allow to thoroughly dry.
- Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to effectively dull existing finish.

**Mildew** - Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE
TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN.
PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead
exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect
yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto
www.epa.gov/lead.

# PRODUCT ANALYSIS DATA

<u>PIGMENT: 0.00%</u> <u>VEHICLE: 100.00%</u>

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

# **TECHNICAL DATA**

· COLORS: Clear

· TINTING: Not Recommended

• VEHICLE TYPE: 100% Acrylic

VISCOSITY: 12 Sec. - #2 Zahn Cup

GLOSS @ 60°: Satin / 20 – 35 units

FLASH POINT: N/A

 VOC: Not to Exceed 250 g/l – 2.10 lb/gal (Meets AIM & OTC Standards)

• **SOLIDS:** By Volume: 27.38% ± 2% By Weight: 28.10% ± 2%

• COVERAGE: 75 – 400 Sq. Ft. / Gal. (Depending on Application & Surface Porosity.)

• MIL FILM: Estimated @ 400 Sq. Ft. / Gal. Wet: 4.0 mils Dry: 1.1 mils

• DRY TIME: (@ 70° F & 50% Relative Humidity)

To Touch: 30 Min. – 1 Hour

Recoat: 3 – 5 Hours, or after overnight.

Full Cure: 48 Hours, depending on

conditions.

· CLEAN UP: Warm Soapy Water

THINNING: DO NOT THIN!

### RECOMMENDED PRIMER COATINGS

Formulated to be self-priming on these properly prepared surfaces;

All New Masonry, Cementitious, Wood & Previously Painted Surfaces

#### APPLICATION EQUIPMENT

- Brush Application: Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- Roller Application: Apply using a smooth medium nap synthetic or lamb's wool roller cover, depending on the texture and surface porosity.
- Spray Application:

Pump: Gas or Electric Airless Sprayer
 Pressure: Minimum 1500 – 2000 psi
 Tip: 0.011 – 0.013 Reversible
 Hose: ¼ inch (6.3 mm) - ¾ inch (10 mm)

#### PACKAGING & WEIGHT PER GALLON

Packaging: Quarts – N/A Gallons – 4/case
 2 Gallons – N/A 5 Gallons - Each

Weight per Gallon: 8.59 lbs.

# **PRODUCT LIMITATIONS**

- Not for use on roofs subject to ponding water.
- · Not recommended for use on Clay tiles.
- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

# **CLEAN UP & THINNING INSTRUCTIONS**

**Clean Up:** Clean up any minor spills and spatters immediately with warm soapy water, as well as all painting tools and airless equipment. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

**Thinning:** Stir thoroughly and apply as it comes from the container. Thinning is not necessary. However, if thinning is required, you may add clean water up to ½ pint per gallon.

# PRODUCT APPLICATION - General

Roof Shield Clear 100% Acrylic Coating may be easily applied with a quality brush, roller cover, or airless spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- For best results, it is recommended to apply two (2) thin finish coats covering approximately 300 – 400 square feet gallon on smooth surfaces, less on more porous surfaces.
- During application, always paint to a natural break in the surface, such as a corner or edge.
- When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- When applying by airless spray equipment, use a unit with a minimum of 1500 - 2000 psi of pressure, with a 0.011 – 0.015 fluid spray tip.
- During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, an even coat application.
- Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.
- Apply when surface and ambient temperatures are above 55° F and below 90° F.
- Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.
- If coating becomes water damaged due to heavy dew fall or rain before coating is thoroughly dry, the surface must be cleaned as soon as possible with hot water.
- <u>SPECIAL NOTE:</u> Should The Roof Area Be Too Hot For Paint Application, It May Be Necessary To Lightly Mist The Hot Roof Surface With Cool Water, To Prevent The Applied Coating From Drying Excessively Fast. This Coating May Be Applied Over A Slightly Damp Surface, However, Avoid Over-Wetting The Surface Area Before Paint Application.

#### PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. USE WITH ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. DO NOT TAKE INTERNALLY!

FIRST AID: In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

**KEEP OUT OF REACH OF CHILDREN!** 

#### **WARRANTY & LIMITATIONS**

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