



TECHNICAL DATA SHEET
ACRYSHIELD® 610 FST
Elastomeric Acrylic Fast Set Top Coating

Physical Property	Typical Value	Test Method
Elongation, Initial	140%	ASTM D2370
Tensile Strength, Initial	385 psi	ASTM D2370
Flash Point	Non-flammable	-
Fungi Resistance	Zero Rating	ASTM G21
Low Temperature Flexibility, after 1000 Hours Aging	PASS	ASTM D6083
pH	8.5 – 10.4	-
Solids Content by Volume	50 - 54%	ASTM D2697
Viscosity (KU)	100 - 120	ASTM D2196
VOC Content (maximum)	50 g/l	EPA Method 24
Water Vapor Permeance	11 perms	ASTM E96
Weight per Gallon	11.5 – 12.5 lbs.	ASTM D1475
Solar Reflectance, Initial	White 0.86	ASTM C1549
Solar Reflectance, 3 Yr	White 0.73	ASTM C1549
Thermal Emittance, Initial	White 0.91	ASTM C1549
Thermal Emittance, 3 Yr	White 0.93	ASTM C1549
Solar Reflectance Index (SRI), Initial	White 109	ASTM E1980
Solar Reflectance Index (SRI), 3 Yr	White 91	ASTM E1980

Approvals and Certifications

- Meets the requirements of ASTM D6083 Standard Specification for Liquid-Applied Acrylic Coating Used in Roofing
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 110.8
- Cool Roof Rating Council (CRRC) Rated*
- Can contribute to LEED certification credits
- UL Listed

Description

AcryShield 610 FST Elastomeric Acrylic Roof Top Coating is a unique, fast setting, acrylic, elastomeric coating top coat for use over base coat options AcryShield 400, 505 BC, or 605 FSB.

Features

- 100% acrylic energy saving reflective coating
- Fast Set properties resist early wash-off associated with heavy dew or light rain events
- Helps preserve existing roof substrate and base coat
- Elastomeric
- VOC compliant
- Highly reflective

AcryShield 610 FST Elastomeric Acrylic Fast Set Top Coating

Usage

AcryShield 610 FST Elastomeric Acrylic Fast Set Top Coating is used as a fast set top coat to complete the AcryShield roof restoration system. Used over AcryShield base coat options of 400, 505 BC, or 605 FSB; AcryShield 610 FST completes the AcryShield roof restoration system, extending the roof life and aiding in energy savings. With fast set properties, this top coat material allows for increased resistance to unwanted early wash-off due to heavy dew or light rain events.

Application

Clean: Before applying base coating (AcryShield 400, 505 BC or 605 FSB) on the roof use a pressure washer with greater than 2,000 psi to clean 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 when power washing. 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 until substrate is smooth and rust free. Rinse the roof 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 or other foreign material that may prevent proper adhesion.

Repair: Inspect applied base coat thoroughly, repairing any areas that are needed.

Apply: 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 deep-pile paint roller with wood handle and metal threads, keeping strokes in one direction. Apply top coat in a perpendicular direction to initial base coat application.

NOTE: Existing roof membrane must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost, laitance, loose and flaking particles, or other contaminants. All leaks must be sealed prior to application of coating.

DO NOT THIN. DO NOT APPLY IF RAIN OR TEMPERATURES BELOW 50 °F (10 °C) ARE EXPECTED WITHIN 12 HOURS (low temperature and/or high humidity may require longer drying time). Do not heat container or store at temperatures greater than 120 °F (49 °C). DO NOT ALLOW COATING IN PAIL TO FREEZE. Not for use over plywood, walking decks, gravel, Kynar® / Hylar® coated metal roofs, 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.

Coverage

Overall system approach requires a minimum coating coverage of 3.0 gallons/square to be applied in two coats at 1.5 gallons/square. Apply top coat in a perpendicular direction to the base coat. Coverage varies with surface texture. Application rates should be adjusted to meet each particular roof's specified requirements. Coverage rates are theoretical and do not take into account material loss due to spraying, surface texture, etc. Thicker dry film results in better performance and longer coating life.

- For Henry® Material Plus and Gold Seal Warranty, refer to the appropriate Henry® Restoration System Application Guide or Guide Specification for application and coverage rate requirements.

Clean-up

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

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Packaging

5 Gallon, 55 Gallon, 275 Gallon

Color

Light Grey, Dark Grey, or White

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. 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 recommend as suitable for this product. Proof of purchase must be provided.

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*CRRC rating applies to white coating only

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