

Description:

HyKote™ 5000

A flexible, high Performance, watertight, puncture resistant ready-to-use single component fluid-applied styrene ethylene butylene styrene (SEBS) liquid resin used in the restoration of roof substrates.

Part Numbers

50-RF-WH-01,50-RF-WH-05, 50-RF-WH-50,
50-RF-BL-01,50-RF-BL-05,50-RF-BL-50,
50-RF-SI-01,50-RF-SI-05, 50-RF-SI-50,
50-RF-LG-01,50-RF-LG-05, 50-RF-LG-50



Product Highlights:

- HyKote™ 5000 is Title 24 Compliant
- HyKote™ 5000 is CRRC listed
- HyKote™ 5000 is classified by Underwriters Laboratories Inc. to ANSI/UL 790 Test for Fire Resistance of Roof Coating Materials
- HyKote™ 5000 has a Solar Reflective Index of 107

Packaging:

- Available in White, Black, Grey, Clear, and Silver
- Custom Colors available
- 1 Gallon pail, 5 Gallon pail, and 50 Gallon Drums

Substrates:

- EPDM, KEE (Elvaloy®), SPF, PVC, TPO, Galvanized Metal, Plywood, Kynar, Aluminum, Smooth Surfaced Coal Tar BUR, Granulated Surfaced SBS, or APP Modified Bitumen, Smooth Surfaced Asphalt BUR

Surface Preparation

Surface must be dry, clean, and free from dirt, loose rust and foreign substances. Certain surfaces may require power washing starting @ range up to 3750–4000 psi for metal and decreasing psi depending on substrate and/or conditions. Utilize wire brushing to remove loose mill scale, biomass, expended paint or coatings, corrosion or any other loose or foreign particulate. Certain surfaces may require abrading, scraping, or pickling to ensure proper adhesion. Certain surfaces must be cleaned and primed with a Manufacturer approved product. Existing target surface will dictate need for implementation of abrading and priming procedures.

Application:

Apply product using appropriate spray equipment (preferred method) or product may be rolled with a smooth-medium nap roller or soft brush at ambient temperatures above 40°F (4°C). Remove all filters from spray unit or spray guns. Use heavy-duty (XHD) tips without a diffuser or atomizer bar. Tip sizes range from 625 to 633 and 725 to 733. Tips may need to be adjusted depending on slope and product. Hold spray wand during application no higher than 12 inches from target substrate with 50% overlap and allow product to “FLOW” AND “SELF-LEVEL”. Always spray at a straight “up and down” or 90° angle to enhance performance. Always remix product after any application work stoppage of **20 minutes or more** to ensure critical additives stay in suspension.

Tools & Equipment

Follow personal protective equipment requirements as listed on material SDS. Utilize appropriate OSHA safety equipment. Drum and/or pail 4” wide heat bands or heat exchanger, wet mil gauge, infrared thermometer, digital moisture meter, and paddle type mixer are required. Use a smooth-medium (1/4” – 3/8” nap) roller if rolling. Spray application is the preferred method for all sprayable materials. Use a Graco 733, Graco 833, (3 gpm output & displacement pump of 3500 psi) or similar equipment with appropriate tips. Recommend use of 1/2” hose with a 3/8” whip. Use tarpaulins or other durable materials to protect adjacent areas from damage.



Technical Information:

Unless otherwise stated, results below are per California 2008 Building Energy Efficiency Standards Table 118-B.

Physical Properties	[Requirement]	
Physical State	Viscous liquid	
Viscosity @ 77°F cps	5,000 +/- 500	
Solar Reflectance Index (white only)	107	≥ 82
Initial Solar Reflectivity	0.85	≥ 0.70
Initial Thermal Emittance	0.90	≥ 0.75
Shelf Life (in unopened container)	2 Years	
Initial Performance Properties – CA Title 24 Table 118-B		
	[Requirement]	
Initial Percent Elongation (break) (%)	1044	≥ 200
Initial Tensile Strength (psi)	1023	≥ 100
Initial Flexibility	Pass	
Permeance, perms	1.5	≤ 50
Final Performance Properties After 1000 Hours Accelerated Weathering		
Final Percent Elongation (break) (%)	962	≥ 100
Final Flexibility (Pass/Fail)	Pass	
Appearance after 1000 hrs accelerated weathering	Pass	[no cracking]

Results below are per ASTM D6083 laboratory testing unless otherwise specified

Film Properties	[Requirement]	
Wet Adhesion to Aluminum, pli	4.0	≥ 2.0
Wet Adhesion to EPDM, pli	3.3	≥ 2.0
Wet Adhesion to Galvanized Metal, pli	2.7	≥ 2.0
Wet Adhesion to KEE, pli	2.1	≥ 2.0
Wet Adhesion to Kynar, pli	3.5	≥ 2.0
Wet Adhesion to Plywood, pli	2.1	≥ 2.0
Wet Adhesion to PVC, pli	7.6	≥ 2.0
Wet Adhesion to SPF pli	2.8	≥ 2.0
Wet Adhesion to TPO, pli	16.3	≥ 2.0
Wet Adhesion to Granular Surfaced SBS Modified Bitumen, pli	3.2	≥ 2.0
Wet Adhesion to Smooth Surfaced Asphalt BUR, pli	2.4	≥ 2.0
Water Swelling, (% mass)	1.7	≤ 20.0
Fungi Resistance, rating	0	
Wind Driven Rain	Pass	

*Results vary consult HyKote Technical for details. Colors not guaranteed against color shift

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Storage and Handling

Maintain materials in their original unopened containers with all labels intact and legible. Store containers on pallets in a covered or protected area. **Store in areas where maximum temperature does not exceed 90°F and at a minimum of 40°F. Never store drums in an open environment without using proper protective moisture proof covering as condensation or rain, under certain conditions, may infiltrate and contaminate the drum contents through the “bung” and ring areas. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM FLAME OR ANY OTHER SOURCE OF IGNITION.**

For additional safety & health information, refer to the SDS for this product.

Drying Time

2–4 hours (typical) in optimal weather conditions before recoating.

4–6 hours (typical) in non-optimal weather conditions before recoating.

Clean-Up

Clean equipment, brushes, rollers, and tools using Regular Mineral Spirits.

Minimum Suggested Coverage Rate

Target surface dictates actual rate. Refer to guidelines in the HyKote material substrate specification. Apply in **two** coats at a minimum of 21 wet mils per coat (1.5 gallons per 100 sq ft per coat) for low slope surfaces.

The combined two (2) coats result in a finished coating @ a minimum of 21 dry mils.

Vertical surfaces typically take 3 coats @ 14 wet mils per coat to properly build final millage.

One five-gallon pail covers 166 sq ft in two coats per above. One 50-gallon drum covers 1,666 sq ft in two coats per above.