

Description:

HyKote™ 1000

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

10-RF-WH-01,10-RF-WH-05, 10-RF-WH-50,
10-RF-BL-01,10-RF-BL-05,10-RF-BL-50,
10-RF-SI-01,10-RF-SI-05, 10-RF-SI-50,
10-RF-LG-01,10-RF-LG-05, 10-RF-LG-50



Product Highlights:

- HyKote™ 1000 @ 21 dry mils. (inclusive of reinforcement scrim) passed UL 580 Tests for Uplift Resistance of Roof Assemblies. HyKote™ 1000 passed at 318.5 psf. This test simulates hurricane force winds from above and below the roof deck.
- HyKote™ 1000 is classified by Underwriters Laboratories Inc. to ANSI/UL 790 Test for Fire Resistance of Roof Coating Materials
- Miami-Dade County Product Control Division has issued an NOA for HyKote™ 1000. The product is also listed in the Florida Building Code List of Approved Products.

Packaging:

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

Substrates:

Kynar, KEE (Elvaloy®), SPF, Aluminum, SBS Modified Bitumen – Granule.



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 and 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:

PHYSICAL PROPERTIES	
Physical State	Viscous liquid
Viscosity @ 77°F, cps	6,900 +/-500
Solar Reflectance Index (SRI) (white only)	101 (initial), 80 (3 yrs.)
Shelf Life (in unopened container)	2 years
FILM PROPERTIES	
Initial Tensile Strength @ 73°F, psi	2066
Tear Resistance lb/in	229
Initial Elongation @ 73°F, %	848 (2 weeks cure time)
Permeance, perms	≤ 1.0
Water Swelling, Mass %	< 1%
Wet Adhesion to Substrates listed, psi	Values from 2.8 to 4.2
Fungi Resistance, rating	0%
Resistance to Wind Driven Rain	Pass
Weight Gain of Block (lbs.)	0.0
FILM PROPERTIES AFTER 1000 HOURS ACCELERATED WEATHERING	
Elongation @ 73°F, %	773
Low Temperature Flex	Pass
Appearance after 1000 hrs. accelerate weathering	Pass

Unless otherwise stated, results are per ASTM D 6083 laboratory testing. Testing with, and without primer. Results vary consult HyKote Technical for details. Colors not guaranteed against color shift.

To the best of our knowledge and subject to change without prior notice, the technical values or data contained herein is true and accurate as of the date of issuance. The application instructions and recommendations contained herein are based on our knowledge of the products when properly stored, handled and applied under normal conditions, but no warranties, express or implied, are made of should be inferred with respect thereto or with respect to any values or statements made herein, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed in-house on a random basis, and on a periodic basis by independent third-party labs for the purpose of approval and/or classification. Acceptance, purchase and selection of these products are the sole responsibility of the buyer, buyer's agent or buyer's customer. Users should test this product to determine acceptability and suitability for their intended use. Hyload assumes no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER GUARANTY OR WARRANTY OF ANY KIND IS MADE BY HYLOAD SALES, INC., EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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.

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.

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.



5020 Enterprise Parkway
Seville, Ohio 44273

Phone: (800) 457-4056
Fax: (330) 769-4153



HYLOAD
Keeping the elements out.