

Description:

Part Numbers

90-CWP5-GR-05, 90-CWP5-GR-50, 90-CWP5-GY-05, 90-CWP5-GY-50

HyKote™ 500 WP Bond-Redi

A flexible, high performance, watertight, elastomeric, ready-to-use single component, fluid-applied, solvent based 100% rubber waterproofing membrane that is applied in a two-coat application process. ElastiKote 500 WP BOND-Redi is formulated to provide the tenacious adhesion necessary for fastener-free installation of insulation, drainage or protection panels.



Product Highlights:

- HyKote™ 500 WP is compliant with ICC-ES AC 29
- HyKote™ 500 WP was evaluated by an accredited independent laboratory and meets the AC 29 requirements.

Packaging:

- Available in Gray or Black
- 1 Gallon pail, 5 Gallon pail, and 50 Gallon Drums

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.

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:

Property	Test Method	Result	Requirement
Color ¹	NA	Dark Gray or Black	—
Asphalt Content ¹	NA	0.0%	—
Thickness ¹	ASTM D 3767	40 mils. (nominal)	—
Tensile Strength, Membrane ¹	ASTM D 412	MD: 114 psi XMD: 109 psi	—
Elongation, Membrane ¹	ASTM D 412	MD: 998% XMD: 881%	—
Resistance to deterioration in contacting soil	ASTM E 154 (3 tests below)		
Weight Loss (%)	ASTM E 96-00	2.3	≤ 10
Water Vapor Permeance (Perm)		0.1	≤ 1
Hydrostatic Pressure over cracks (ft of water)	ASTM C 1306-95	69.3	Report 50% of Lowest value
Resistance to Water [Pass/Fail]	ASTM D 2939	Pass	No blistering or re-emulsification
Remain in Place During Application (Pass/Fail) [#]	ASTM C 836	Pass	As recommended by Mfg. ± 5 mils
Adhesion-in-peel (after water immersion) (lb/in) [#]	ASTM C 836 Section 5.9	5.3	≥ 1
Low Temperature Crack Bridging (pass/Fail) [#]	ASTM C 1305	Pass	No Cracking
*Extensibility after Heat Aging (Pass/Fail) [#]	ASTM C1522 / ASTM C836	Pass	No Cracking

¹Property not part of AC 29 testing requirements

* Colors not guaranteed against color shift

AC 29 Acceptance Criteria for Cold, Liquid-Applied, Below Grade, Exterior Damp-proofing and Waterproofing Materials (Approved June 2011)

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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.

