



PRODUCT PROFILE

DESCRIPTION

The **COOLWALL® with KYNAR®** system is an infrared heat-reflective water-based exterior coating incorporating industry-leading KYNAR Aquatec® technology. This highly breathable system has been formulated to have superior salt spray, moisture, mold, mildew, and dirt-resistant properties. Unlike conventional paints that rely only on mildewcides that leach out over time, COOLWALL® with KYNAR® combines mildewcides with the mildew-resistant properties inherent in the KYNAR® resin and will last the life of the coating. COOLWALL® with KYNAR® uses infrared heat-reflective properties to provide cooler surface temperatures, enhanced durability, and superior fade resistance. The high reflectivity can provide cooling cost energy savings of up to 21.9%*. COOLWALL® with KYNAR® is a low VOC, sustainable building product. Available in Satin finish.

FEATURES

- Superior Gloss Retention
- Resistant to Mold, Mildew, and Dirt Pickup
- Resists Salt Spray and Moisture
- Highly Breathable

BENEFITS

- Long-Lasting Colors & Long-Term Protection
- Outstanding Gloss Retention
- Heat-Reflective
- Easy-To-Clean

RECOMMENDED PRIMERS/SUBSTRATES

COOLWALL® with KYNAR® is recommended over HI-BUILD PRIMER (SMOOTH), HI-BUILD TEXTURED PRIMER, WOOD PRIMER 27, and RE•COTE™ PRIMER. Also, may be used over other manufacturer-approved products or substrates. Only for use on vertical surfaces.

PRODUCT APPLICATION

INSTALLATION

COOLWALL® with KYNAR® can be applied by brush, roller, or commercial grade airless spray. Commercial grade airless tip size .017 to .019.

GENERAL/SURFACE PREPARATION

All surfaces must be sound, clean, and dry prior to application of COOLWALL® with KYNAR®. All loose, flaking, or oxidized paint shall be removed from the surface by sanding, abrasive blasting, wire-brushing, or scraping. Cracks larger than 1/32", holes, and voids must be filled in with cement patching compound which utilizes TEX-COTE®'s Stucco Bonding Agent. The texture of the patch shall match the existing surface. Cracks less than 1/32" shall be filled with FLEX-PATCH® compound.

All surfaces must be primed with HI-BUILD (SMOOTH) or HI-BUILD TEXTURED PRIMER, or other manufacturer-approved primers for non-masonry surfaces. See technical data for HI-BUILD PRIMER (SMOOTH) and HI-BUILD TEXTURED PRIMER. METAL-PRIME™ PRIMER is recommended over bare galvanized steel, aluminum, galvalume, or cold-rolled steel surfaces. All rust should be removed by abrasive blasting or other mechanical means. Plastics such as PVC and vinyl should be primed with TEX-BOND® PRIMER. See TEX-BOND® technical data for more information.

APPLICATION RATE

Coverage rates will be between 175-225 square feet per gallon per coat (4.9 to 6.0 square meters/liter per coat). This product may be applied in a single coat over the primer as long as a continuous, pinhole-free film is achieved. Over smooth, slick surfaces, two coats are recommended at 350-450 square feet per gallon per coat to achieve the best finish. Textured or porous surfaces may require additional material. Some deep-toned colors may require more product to be applied in order to have a completely opaque film. An actual mock-up should be done prior to application to determine the proper square footage per gallon per coat for the color chosen. Apply by spray/back-rolling recommended depending on the texture and porosity of the substrate.

APPLICATION

Over a dry, clean, properly prepared surface, apply the COOLWALL® with KYNAR® at the specified application rate. The application shall be at uniform film thickness over the entire wall. A wet edge shall be maintained during spraying (brushing or rolling) at all times. To prevent lap marks, avoid starting and stopping midway on walls. On large areas, two (2) people spraying simultaneously are recommended to avoid lap marks and spray patterns. If rolling on COOLWALL® with KYNAR® with a fully loaded roller, apply in vertical strokes initially, then cross roll for even film, ending with vertical strokes. To prevent lap marks, proceed as above and continue to a "natural break" such as panel edge, seam, or corner.

DRYING/CURING TIMES

- To Touch: Two (2) Hours
- To Handle: Four (4) to Six (6) Hours
- To Recoat: Six (6) to Twelve (12) Hours

NOTE: After 24 hours, residual moisture in the film will continue to cure with additional days of drying. Times are based on ideal weather conditions.

CLEAN-UP

- Water

BEST PERFORMANCE

IMPORTANT STEPS

- Do NOT apply material when snow, rain, or freezing conditions are imminent. Wet conditions combined with cold temperatures may cause improper curing of the product.
- Application and cure temperature shall be between 45°F to 100°F (7°C to 37.7°C).
- The surface should be dry and at least 5°F above dewpoint.
- Do NOT apply if rain is imminent.
- AVOID FREEZING.
- Surfaces shall be clean, dry, and properly prepared.
- Formulated for use over HI-BUILD PRIMER (SMOOTH), HI-BUILD TEXTURED PRIMER, TEX-BOND® PRIMER, METAL-PRIME™ PRIMER or WOOD PRIMER 27.
- Products shall be handled and stored as indicated herein.
- Roof and parapet top caps shall be installed and sealed against water penetration before application.
- TEX-COTE LLC does NOT promote or recommend coating the sealant joints, nor is the sealant compound an approved substance.

TECHNICAL DATA

COOLWALL® with KYNAR® Applicable Standards | American Society for Testing Materials

TEST METHOD	PROPERTY	RESULT
ASTM D2565-99-T-1, C#4	Accelerated Weathering	5,000 Hours - PASSED
ASTM B117	Salt Spray Resistance	100 Hours - PASSED
ASTM D714	Blistering Resistance	100 Hours - PASSED
ASTM D610	Rusting Resistance	100 Hours - PASSED
ASTM D968	Abrasion Resistance	825 Liters Falling Sand
ASTM D3273/D3274	Mold & Mildew Resistance	28 Days - Rating 10, No Growth
ASTM D6904	Wind-Driven Rain Resistance	PASSED
ASTM C67/D3274	Freeze-Thaw Resistance	50 Cycles - PASSED
ASTM D4585	Humidity Resistance	100 Hours - PASSED
ASTM E96	Permeability	8.5 Perms (with Primer)
ASTM C1305	Crack Bridging	No Cracks, Separation, or Loss of Film
ASTM E-84	Surface Burning of Building Materials	Meets Class A Flame Spread Index
ASTM E-1795	Standard for Lead-Base Paint Encapsulation	PASSED All Tests for Interior & Exterior Use
ASTM D4803-97	Total Solar Reflectance	Surface Wall Temperatures Reduced Up to 40°F Depending on Color and Geographical Location as Compared to Commercial Acrylic Paint

TEST PROPERTY	RANGES
Gloss	10 20 @ 60°
Moisture Vapor Permeability	8.5 Perms (with Primer)
Resin Base	Acrylic/Kynar
Dry Film Thickness	3-4 mils
Wet Film Thickness	7-9 mils

TEST PROPERTY	RANGES
VOC (grams/liters minus water)	<50 grams/liter
Volume Percent	31 - 34%
Weight Percent - Flat	49 - 52%
Weight Percent - Satin	40 - 49%
Weight/Gallon (pounds)	9.4 - 10.8%

**Specific properties based on base used for chosen color and StD or 1113 compliant formulation.*

TOTAL SOLAR REFLECTANCE (TSR) Ranges By %

Light Colors	25% - 35%
Medium Colors	55% - 65%
Dark Colors	100% or Greater

**Percentage of cooling costs and surface temperature reductions will vary based on color chosen, geographical location, climate condition, and substrate type. For more information, visit www.texcote.com.*

ORDER INFORMATION

PACKAGING

Available in one (1) gallon and five (5) gallon containers.

COLORS

Over 570 heat-reflective colors. Deep-tone-colors incur an additional charge.

SHELF LIFE

12-Month Shelf Life under proper conditions:

- Containers stored upright and airtight in a cool, dry place.
- Maintain a temperature between 45°F rising to 100°F (7°C - 38°C).
- Skins formed on surface of product shall be removed prior to mixing, moving, or using.

SAFETY

WARNING

- Contains hydrocarbon solvents.
- Use with adequate ventilation.
- Do not breathe spray mist or dust.
- Avoid contact with eyes, skin, and clothing.
- Wash hands thoroughly after handling.

FIRST AID

- If you experience difficulty breathing, leave the area to obtain fresh air.
- If difficulty breathing continues, please seek medical attention.
- In case of eye contact, flush immediately with water for at least 15 minutes.
- Seek medical attention if blurring or redness continues.

VOC COMPLIANCE

All TEX-COTE® products comply with federal Volatile Organic Compound (VOC) rules and regulations.

Please contact your nearest TEX-COTE LLC office for assistance on the local and state VOC compliance in the area of intended use.

WARRANTY

Upon completion of the application of the coating in accordance with the manufacturer's recommendations, TEX-COTE LLC will extend its limited commercial warranty for product replacement as a result of a defect in the material. The manufacturer must be notified prior to the application of the coating and the application must be in compliance with the manufacturer's recommendations for installation. TEX-COTE LLC shall have no obligation to contribute to or otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty is available upon request.

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