DESCRIPTION
The COOLWALL® with KYNAR® system is an infrared heat-reflective water based exterior coating that incorporates 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 that are 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, green building product. Available in satin finish.

FEATURES
- Superior gloss retention and resistance to mold, mildew and dirt pickup help maintain reflectivity for life of coating
- Resists salt spray and moisture.
- Highly breathable.

APPLICATION
Installation: TEX•COTE COOLWALL® with KYNAR® can be applied by brush, roller, or commercial grade airless. Commercial grade airless tip size .017 to .019..

Surface Preparation: All surfaces must be sound, clean and dry prior to application of TEX•COTE COOLWALL® with KYNAR®. All loose, flaking or oxidized paint shall be removed from surface by sandblasting, water blasting, wire brushing or scraping. Large cracks, holes and voids must be filled in with cement patching compound which utilizes TEX•COTE®’s Stucco Bonding Agent. Texture of patch shall match existing surface. Cracks less than 1/32” shall be filled with FLEX-PATCH® compound. Cracks greater than 1/32” should be patched with cementitious patching compound.

All surfaces must be primed with COOLWALL® CLASSIC or Textured Primer, or other manufacturer approved primers for non-masonry surfaces. See technical data for COOLWALL® CLASSIC and Textured Primers. TEX•COTE® METAL-PRIME™ Primer is recommended over bare galvanized, aluminum, galvalum, or cold rolled steel surfaces. All rust should be removed by sandblasting or other mechanical means. Plastics such as PVC and vinyl should be primed with TEX-BOND Primer. See technical data for more information.

Application Rate: Coverage rates will be between 175-225 square feet per gallon (4.9 to 6.0 square meters/liter). This product may be applied in a single coat over the primer as long as a continuous, pin-hole free film is achieved. Over smooth, slick surfaces, two coats are recommended at 350-450 square feet per gallon to achieve the best finish. Textured or porous surfaces may require additional material. Some deep tone colors may require more product be applied in order to have a completely opaque film. An actual mock-up should be done prior to application to determine proper square footage per gallon 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. 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 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: 2 hrs. approximately. Hardness: 24 hrs. minimum. Note: After 24 hours, residual matters in film will continue to cure with additional days of drying. Times are based on ideal weather conditions.

Clean Up: Water

BENEFITS
- Long lasting colors
- Outstanding gloss retention
- Long term protection
- Heat reflective
- Easy to clean

RECOMMENDED OVER
TEX•COTE COOLWALL® with KYNAR® is recommended over COOLWALL® CLASSIC (Smooth) Primer, COOLWALL® Textured Primer, and TEX-BOND® Bonding Primer. Also may be used over other manufacturer approved substrates. Only for use on vertical surfaces.
## TECHNICAL DATA

### COOLWALL® with KYNAR® Applicable Standards American Society for Testing Materials (ASTM)

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Property</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D2565-99-T-1, C#4</td>
<td>Accelerated Weathering</td>
<td>5000 Hours—Passed</td>
</tr>
<tr>
<td>ASTM B117</td>
<td>Salt Spray Resistance</td>
<td>100 Hours—Passed</td>
</tr>
<tr>
<td>ASTM D714</td>
<td>Blistering Resistance</td>
<td>100 Hours—Passed</td>
</tr>
<tr>
<td>ASTM D610</td>
<td>Rusting Resistance</td>
<td>100 Hours—Passed</td>
</tr>
<tr>
<td>ASTM D968</td>
<td>Abrasion Resistance</td>
<td>825 liters falling sand</td>
</tr>
<tr>
<td>ASTM D3273/ D3274</td>
<td>Mold &amp; Mildew Resistance</td>
<td>28 Days—Rating 10, no growth</td>
</tr>
<tr>
<td>ASTM D6940</td>
<td>Wind Driven Rain Resistance</td>
<td>Passed</td>
</tr>
<tr>
<td>ASTM C67/D2794</td>
<td>Freeze-Thaw Resistance</td>
<td>50 cycles—Passed</td>
</tr>
<tr>
<td>ASTM D4585</td>
<td>Humidity Resistance</td>
<td>100 Hours—Passed</td>
</tr>
<tr>
<td>ASTM E96</td>
<td>Permeability</td>
<td>8.5 Perms (with Primer)</td>
</tr>
<tr>
<td>ASTM C1305</td>
<td>Crack Bridging</td>
<td>No cracks, separation or loss of film</td>
</tr>
<tr>
<td>ASTM E-84</td>
<td>Surface Burning of Building Materials</td>
<td>Meets Class A Flame Spread Index</td>
</tr>
<tr>
<td>ASTM E-1795</td>
<td>Standard for Lead-Base Paint Encapsulation</td>
<td>Passed all tests for interior and exterior use</td>
</tr>
<tr>
<td>ASTM D4803-97</td>
<td>Total Solar Reflectance</td>
<td>Surface wall temperature reduced up to 40 degrees Fahrenheit depending on color and geographical location as compared to commercial acrylic paint.</td>
</tr>
</tbody>
</table>

### Physical Properties

Water based acrylic formula

<table>
<thead>
<tr>
<th>Test Property</th>
<th>Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids by Weight (Satin)</td>
<td>40-46%</td>
</tr>
<tr>
<td>Solids by Weight (Flat)</td>
<td>49-52%</td>
</tr>
<tr>
<td>Solids by Volume</td>
<td>33-37%</td>
</tr>
<tr>
<td>Weight per Gallon</td>
<td>9.3-10.8 lbs.</td>
</tr>
<tr>
<td>Gloss:</td>
<td>10-20 @ 60°</td>
</tr>
<tr>
<td>Moisture Vapor Permeability</td>
<td>10 Perms (with Primer)</td>
</tr>
<tr>
<td>Resin base</td>
<td>Acrylic/ Kynar (PVDF)</td>
</tr>
<tr>
<td>VOC</td>
<td>&lt; 50 grams/liter</td>
</tr>
<tr>
<td>Wet Film Thickness</td>
<td>7—9 mils</td>
</tr>
<tr>
<td>Dry Film Thickness</td>
<td>3—4 mils</td>
</tr>
</tbody>
</table>

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

### Total Solar Reflectance (TSR) Color Ranges by %

- **Light Colors**: 25% - 35%
- **Medium Colors**: 55% - 65%
- **Dark Colors**: 100% or greater

Percentage increased as compared to conventional acrylic paints.

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

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## BEST PERFORMANCE

- Do not apply material when snow, rain, or freezing conditions are imminent. Wet conditions combined with cold temperatures may cause improper curing of product.
- Application temperature shall be between 45°F rising to 100°F (7°C to 38°C).
- Do not apply if rain is imminent.
- **AVOID FREEZING**.
- Surfaces shall be clean, dry and properly prepared.
- Formulated for use over COOLWALL® CLASSIC, Textured and RE-COTE primers.
- Products shall be handled and stored as indicated herein.
- Roof & parapet top caps shall be installed and sealed against water penetration before application.
- Trim areas, metals and other substrates may require another TCA primer. Consult manufacturer or representative for recommendations.
- TCA does not promote or recommend coating the sealant joints, nor is the sealant compound an approved substance.
Technical Data Sheet

TEX∙COTE® COOLWALL® with KYNAR®

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ORDER INFORMATION

Packaging:
Available in 1 and 5 gallon containers.

Colors:
Over 570 heat reflective colors. Deep tones colors incur an additional charge.

SAFETY

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

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

VOC COMPLIANCE

All TEX∙COTE® products comply with federal and state Volatile Organic Compound (VOC) rules and regulations. Please contact your nearest TCA office for assistance on the local VOC compliance in the area of intended use.

WARRANTY

Upon completion of application of coating in accordance with the manufacturer’s recommendations, Textured Coatings of America, Inc. will extend its limited commercial warranty for product replacement as a result of 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. Textured Coatings of America, Inc. 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.

Shelf Life:
12 month shelf life, based on the following:
- Containers stored upright and airtight in a cool, dry place at temperature between 45°F rising to 100°F (7°C—38°C). AVOID FREEZING.
- Skins formed on surface of product shall be removed prior to mixing, moving or using.

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