

FlexiCon 100% Acrylic
Flexible Waterproof Coating

Smooth • **6460**
Textured • **6470**

Product Description

TropiCrete FlexiCon Waterproof Coating is a flexible, breathable, decorative and protective coating engineered to waterproof all types of above or on-grade concrete and masonry. This may include foundations, block walls, window and door openings, balconies, parapets and vertical or horizontal concrete substrates. It can be used as a finish coat or top-coated with acrylics for improved durability and washability.

Recommended Substrates

- Concrete, concrete block (CMU) and stucco
- Balconies, patios & pool decks
- Concrete floors & walkways
- Wall caps and parapet walls
- New construction window openings
- Previously painted surfaces

Product Features

- Self priming on bare concrete
- Very good abrasion & chemical resistance
- Meets ADA non-slip standards with a non-slip additive
- Excellent alkali & efflorescence resistance
- Low VOC

Product Limitations

This product is for use on properly prepared on-grade concrete above grade vertical substrates. **Not recommended for vehicular traffic or below grade masonry surface.**

Application: Brush, roller, or airless spray.
Special spray equipment for 6470 textured version

Flash Point: Nonflammable, >200°F
Clean Up: Warm soapy water

Compliance

These products are VOC compliant based on limits provided by EPA, CARB, MPI GSP-1 & GSP-2, LEEDv4, OTC and SCAQMD.

Product Data

Product Type: **Waterborne / 100% Acrylic Emulsion**

	6460	6470
Gloss @60° :	5 - 15	5- 15

Wt Solids ±2%:	67%	69%
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Vol Solids ±2%:	50%	51%
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Wet Film Mil:	13.4 - 20.1	13.4 - 20.1
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Dry Film Mil:	6.7 - 10.0	6.8 - 10.2
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Coverage / Gal	80 - 120	80 - 120
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* coverage and wet and dry millage will vary by substrate type and porosity

VOC gms p/L**:	<50	<50
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** less exempt solvents and before the addition of colorant

Viscosity KU ±5:	137	137
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Dry time @ 50% RH***:	1 HR to touch 4 HRS recoat 24 HRS for light foot traffic
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*** dry times listed may vary according to the relative humidity, temperature, film build, color and air movement of the application environment

Available bases | 6460: WB | DB

Available bases | 6470: WB | DB

FLEXICON SYSTEM PERFORMANCE DATA

2 Coats of FlexiCon 6460 @ 6.0 mils DFT - Total System 12.0 mils DFT

PERFORMANCE TEST	TEST METHOD	RESULTS
Abrasion Resistance	ASTM 4060-90; 1000 cycles - 24 hours	008 grams lost
Adhesion to Concrete	ASTM 4541	425 psi
Elongation	ASTM D-412	200%
Flexibility	ASTM D-522; 1/8" Mandrel Bend	PASS
Tensile Strength	ASTM D-412	400 psi
Water Absorption	ASTM D-570	12%
Water Permeability	ASTM D-1653	12.6 perms

PDS 6460-70 1808



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Surface Preparation

Caution! There is the potential to release lead dust if you sand scrape or remove old paint. Lead is toxic and exposure to lead dust particles can cause serious illness including brain damage especially in children. Pregnant women should avoid exposure. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the fumes and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at www.epa.gov/lead.

General Surface Preparation: The performance of this product is dependent on the integrity and soundness of the substrate. All surfaces should be clean and free of any dirt, rust, grease, mill oils, mill scale, efflorescence, organic growth, mildew or other contaminants that might adversely affect the adhesion and performance of this product. Any failed or deteriorated caulk or patching compound should be removed and replaced. Unpainted surfaces should be primed in accordance with manufacturer's recommendations. Glossy substrates should be deglossed prior to painting.

Drywall: Nails or screws should be countersunk, and they along with any indentations should be mudded flush with the surface, sanded smooth and cleaned to remove any dust, then primed or sealed prior to painting the substrate. **Plaster:** Plaster, hardcoat, skim coat or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming with an alkali resistant primer. **New Concrete, Stucco and Masonry Surfaces:** New concrete and masonry should cure for at least 30 days and preferably 90 days prior to painting. Remove all form release and curing agents. The PH of the substrate must be less than 10 prior to priming with an alkali resistant primer. Block mortar joint should cure for at least 30 days prior to priming. Fill block with appropriate blockfiller. **New Wood:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean and then primed. Any knots or resinous areas must be primed before painting. Countersink all nails, putty flush with surface, then prime with a quality stain blocking primer. **Ferrous Metal:** The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants and then primed with a corrosion resistant primer.

Directions for Use

Application: For best results, it is recommended to apply two (2) finish coats at 6.0 mils DFT for a total of 12.0 mils DFT. Mix thoroughly prior to use and occasionally during the application process. 6460 smooth can be applied by brush or roller, but 6470 textured only in very small areas; 6470 textured is primarily applied by spray equipment designed for heavy aggregate coatings. Apply coating evenly by maintaining a "wet edge" to prevent lap marks, avoid starting and stopping and apply to a natural break for optimal finish. **Thinning:** Thinning is not required under normal conditions. **Clean Up:** Tools should be cleaned immediately after use with warm, soapy water. Spray equipment should be flushed thoroughly after each use. **Brush:** Use quality nylon or polyester bristle brushes. **Roller:** Use a 3/4" to 1-1/4" synthetic or lamb's wool cover. **Spray Application:** For 6460 smooth texture, use an airless sprayer with a minimum pressure 2000 psi, tip 0.019" - 0.027", flow rate 1.5 GPM; backroll for best results. For 6470 textured, use a spray unit similar to Graco President, 10:1 pump or Graco GM 1030 or other approved texture sprayers with a minimum of 1000 psi of pressure or 3.0 gpm, with a 3mm - 12mm spray tip. **Dry Time and Curing:** Dry to touch in approximately 1 hours and recoat in 4-6 hours, light foot traffic after 24 hours. Do not use when air surface or product temperatures are below 50°F or above 100°F or if inclement weather is imminent. Cleaning should not occur until 30 days after the initial application.

Optional Topcoat: When used on walkways or high traffic areas, apply a coat of **6120 TropiCrete Ultra Hard Acrylic Deck Coating** with an anti-skid additive for safety, improved durability, washability and color retention. For vertical applications, apply a coat of a high quality acrylic paint.

Safety

CAUTIONS: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY! USE ONLY WITH ADEQUATE VENTILATION! Avoid prolonged contact with skin, and breathing of dust, vapors or spray mists. Avoid contact with eyes. Ensure fresh air entry during application and drying. Wear an appropriate fitted respirator (NIOSH approved.) Wear eye protection. Wash skin thoroughly after handling. Close container after each use and store in a secure, shaded and dry location. First Aid: In case of eye contact immediately flush with plenty of water for 15 minutes and get medical attention immediately. If swallowed do not induce vomiting and get medical attention immediately.

Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

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