

## FloroCrete 3.0 Cove

### Urethane Concrete Coving

**Product Description:** FloroCrete Cove is a pre-measured three component kit used for coving when a FloroCrete system is used. FloroCrete Cove is designed for use in forming cant covings or radius covings. FloroCrete Cove may also be used as a patching material or for changing the pitch/ slope of a floor.

#### Typical Uses, Applications:

- Formation of cove bases
- Patching holes and cracks
- Building curbs and pitching floor

#### Product Advantages:

- CA 01350 Air Quality compliant
- ADA compliant
- LEED points available
- Meets FDA, USDA and CFIA Standards
- VOC compliant/ low odor
- Thermal shock resistant
- Heat resistant to 235° F
- Contains antimicrobial additive
- No topcoat required
- Tolerates dampness
- Excellent chemical & abrasion resistance
- Can be applied to 7 to 14 day old concrete

**Packaging:** Each FloroCrete Cove is packaged and sold as a unit. A complete kit consists of:

- Part A – Polyol Component
- Part B – Isocyanate Component
- Part C – FloroCrete Cove Filler

**Colors:** FloroCrete Cove is available in Grey, Tile Red, Neutral and custom colors. FloroCrete Powdered Pigments may be used to field-tint Neutral kits.

**Storage:** All containers should be stored at 45° F to 85° F (7° C to 29° C) and be kept tightly sealed and out of direct sunlight. The shelf life for this product is 12 months from date of manufacture.

#### Coverage:

**Standard Radius Cove:** One kit yields 31.25 LF of 4-inch high cove. The same mixture will yield 20.75 LF of 6-inch high cove.

**Cant Cove:** One kit yields 23.25 LF of 2-inch cant cove. The same mixture yields 10.4 LF of 3-inch cant cove, 5.9 LF of 4-inch cant cove and 2.5 LF of 6-inch cant cove.

#### FloroCrete Cove Application:

**1. Primer:** Priming is required. Apply FloroCrete P Primer at 10 mils (127 to 254 microns). Coverage will be 936 LF for 4-inch high cove and 624 LF for 6-inch high cove. Broadcast 20/40 sand or coarser seed coat into primer to help hold coving material place. See FloroCrete P Technical Data Sheet and your Florock Representative for details.

**2. FloroCrete Cove Mortar:** Combine FloroCrete Cove Component A and Component B. Blend together with a “mudd mixer” for 30 to 60 seconds. Add Part C (dry material) to A and B and mix again for 60 seconds, making sure aggregate is thoroughly wetted out. Scrape down sides and bottom of container with a flat or straight edge trowel to assure complete mixing (a mortar mixer may be used to combine component C with the premixed component A and B). Then, immediately place mixture onto area to be coved. Using a steel trowel, hang the material on the vertical of the cove. Strike the hung material with a coving trowel to shape and close the surface. Be sure to MIX FULL KITS. Temperature will affect mixing. Therefore, mix when air temperature is between 50° F and 80° F (10° to 26° C).

**Limitations:**

FloroCrete Cove is not to be applied in temperatures below 45° F (7° C) or above 85° F (29° C), or when relative humidity is greater than 85%. Apply only to dry, properly prepared, uncoated, reinforced concrete floor slabs that have a moisture content of less than 10%. Do not apply if air temperature and/or surface temperature are at or below dew point. During application, protect substrate from exposure to water leakage or condensation from pipes. Do not feather-edge, do not hand-mix material and do not apply to cracked or unsound substrates. Product is for vertical and horizontal use on dry concrete surfaces only.

**Cure Time:**

The chemical curing of FloroCrete Cove is affected by temperature. At 70° F (21° C) curing temperature, expect to walk on the floor in 12 hours, with full traffic after 24 hours. At 45° F (7° C) curing temperature, allowing foot traffic may take 48 hours or longer. It is therefore imperative that air and substrate temperatures be kept above 70° F (21° C) for best cure.

**Maintenance:**

FloroCrete floors can be maintained by using a stiff mechanical brush and/or hot pressure washer or steam cleaner. Surfactant-type detergents or degreasers may be used; however, avoid products containing Phenol, as this may damage color. Though FloroCrete is highly chemical resistant, a test patch is recommended prior to using any harsh cleaners.

**Please read material safety data before using product.**

**Disclaimer:**

All statements and recommendations are based on experience we believe to be reliable. The use or the application of these products being beyond the control of the Seller or Manufacturer, neither Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability of a product for an intended use shall be solely up to the User.

<b>System Physical Properties</b>		
<b>Property</b>	<b>Test Method</b>	<b>Results</b>
Compressive Strength	ASTM C579	9,000 psi
Tensile Strength	ASTM D638	4,200 psi
Flexural Strength	ASTM D790	5,100 psi
Hardness, Shore D	ASTM D2240	85
Bond Strength	ASTM D4541	>400 psi
Co-Efficient of Friction	ASTM D-2047	Passes ADA Recommendations
Co-Efficient of Thermal Expansion	ASTM C531	1.1x10 <sup>-5</sup> in/in/°F
Impact Resistance	ASTM D2794	>160 in lbs.
Flammability	ASTM E-648	Class I
Abrasion Resistance	ASTM D4060	40 mg loss
Indoor Air Quality	CA 01350	Compliant
Water Absorption	ASTM C413	0.04%
Resistance to Fungi Growth	ASTM G21	Passes
VOC	EPA Method 24	0
Service Temperature	Lab Tested	-100° F to 235° F (-73 ° F to 112° F)
Workable Life*	1 Mixed Kit	30 minutes
<b>Cure time at 70° F @ 50% RH**</b>		
Set to Touch		8-10 hours
Foot Traffic		12-16 hours
Full Service		24-48 hours
Clean-Up Solvent		MEK

*\*After blending the components, immediately empty from mixing bucket onto the floor.*

*\*\*Cooler temperatures require longer cure time. See FloroCrete Catalyst Tech data for more information.*