

# Eco-Crete™ HF Flake DB

## Trowel Applied Urethane Mortar with Broadcast



**DESCRIPTION** - A three-part, cementitious-polyurethane slurry with a double broadcast of decorative flake, for resurfacing eroded interior concrete floors in areas that require thermal shock resistance and slip resistance. Primary system sealed and topcoated with a light stable polyaspartic.

| RECOMMENDED SYSTEM |                 |                                    |  |
|--------------------|-----------------|------------------------------------|--|
| Application Steps  | Tennant Product | Application Thickness<br>mils [mm] | Coverage Rate<br>ft <sup>2</sup> /gal [m <sup>2</sup> /3.78 L] |
| Mortar             | Eco-Crete HF    | 1/4" [6.35]                        | 23 [2.1]   |
| Decorative Flake   | Flake           | 0.2 lbs [0.09 kg]                  | 1 [0.09]   |
| Broadcast Coat     | Eco-MPE™        | 15 [0.38]                          | 107 [9.9]  |
| Decorative Flake   | Flake           | 0.2 lbs [0.09 kg]                  | 1 [0.09]   |
| Grout Coat         | Eco-TCP™        | 12-14 [0.30-36]                    | 115-134 [10.7-12.4]  |
| Topcoat            | Eco-TCP         | 6-8 [0.15-0.20]                    | 200-267 [18.7-24.8]  |

| OPTIONAL COVE     |                 |                                    |  |
|-------------------|-----------------|------------------------------------|--|
| Application Steps | Tennant Product | Application Thickness<br>mils [mm] | Coverage Rate<br>ft <sup>2</sup> /gal [m <sup>2</sup> /3.78 L] |
| Primer            | Eco-Crete TC    | 13.33 [0.34]                       | 120 [11.1]   |
| Cove              | Eco-Crete CB    | 4" Height [101.6]                  | 35 lin. ft. [10.7 meters]                                      |

- **MOISTURE TOLERANCE** – Eco-Crete HF (at 1/4") is good for moisture vapor transmission up to 23 lbs/1,000 ft<sup>2</sup> in 24 hours as measured by calcium chloride tests or 99% RH, as measured by relative humidity readings.
- **LEED® v4** – Points available under the following credits:
  - **Indoor Environmental Quality, Low Emitting Materials**  
Meets requirements per CDPH-CA Section 01350 Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental chambers Version 1.2.
  - **Materials & Resources, Building Product Disclosure & Optimization-Sourcing of Raw Materials**  
Bio-Based Materials
- **ADVANCE YOUR SUSTAINABILITY GOALS** – Utilizes renewable bean oils and environmentally friendly packaging.
- **EXTREME THERMAL STABILITY** – Steam cleanable. Formulated to withstand temperature variations up to 250°F (121°C)
- **SEAMLESS** – Hygienic finish; no grout joints

### PRIMARY APPLICATIONS

|                                       |                             |
|---------------------------------------|-----------------------------|
| Food & beverage processing facilities | Chemical process facilities |
| Pharmaceutical facilities             | Pulp and paper mills        |
| Wet processing & packaging areas      | Commercial kitchens         |
| Freezers and coolers                  | Battery charging areas      |
| Truck unloading areas                 |                             |

### BENEFITS

|  |  |
|--|--|
| Resistant to fungi growth per ASTM G-21  | Low odor, fast installation, fast cure       |
| Impact & abrasion resistant surface suitable for heavy traffic and fork lift operation | Excellent corrosion & chemical resistance    |
| High temperature resistant to 250°F [121°C]  | Anti-slip surface, meets ADA recommendations |
| Resistant to moisture vapor transmission (MVT)   | Apply to concrete as new as 7 days           |

TENNANT COATINGS

For First Impressions That Last™

## SYSTEM PROPERTIES

| Property  | Test Method                  | Results  |
|---|------------------------------|--|
| Abrasion Resistance<br>Taber Abraser CS-17 Taber Abrasion Wheel,<br>1,000 gram load, 1,000 revolutions.     | ASTM D4060                   | 43 mg/loss   |
| Bond Strength   | ASTM D4541                   | 100% Concrete Failure  |
| Coefficient of Friction - Wet Static, BOT 3000  | ANSI/NFSI B101.1             | 0.99   |
| Compressive Strength, psi [MPa]   | ASTM C579                    | 7,800 [53.8]   |
| Compressive Strength, psi [MPa] (seed coat)   | ASTM D695                    | 13,500 [93.079]  |
| Flammability  | ASTM D635                    | Self-Extinguishing   |
| Flexural Strength, psi [MPa]  | ASTM C580                    | 1,900 [10.34]  |
| Impact Strength, in-lb  | ASTM D4226                   | >160   |
| Resistance to Fungi Growth  | ASTM G21                     | Passes, Rating of 1  |
| Resistance to Yellowing<br>As measured using ASTM D2244 after 1000<br>consecutive hours UV exposure in QUV. | ASTM G154                    | <20 increase of yellow units (CIE Lab Δb)  |
| Shore D Hardness (seed coat)  | ASTM D2240                   | 80-85@ 0 sec   75-80 @ 15 sec  |
| Tensile Strength, psi [MPa]   | ASTM C307                    | 975 [6.72]   |
| Tensile Strength, psi [MPa] (seed coat)   | ASTM D2370                   | 8,000 [55.158]   |
| Percent Elongation (topcoat resin)  | ASTM D2370                   | 8  |
| Thermal Stability / Heat Resistance (grout/topcoat)   | MIL-D-3134J<br>Section 4.6.3 | No slip/flow, softening or change in<br>appearance   |
| Volatile Organic Compound, VOC, lb/gal [g/L]  | ASTM D3960                   | <b>Eco-Crete HF</b> <b>Eco-TCP</b><br>A+B+C = 0.04 [5]                      A+B = 0.30 [37]<br><b>Eco-MPE</b><br>A+B = 0.41 [49] |
| Water Absorption (24 hour immersion)  | ASTM C413                    | 0.2% weight increase   |

Testing performed at 70°F [21.1°C] / 77°F [25°C]. The data shown above reflects typical results based on laboratory testing under controlled conditions.

## CHEMICAL RESISTANCE PROPERTIES (with Eco-TCP)

|                                     | 1 Day | 7 Days |  | 1 Day | 7 Days |
|-------------------------------------|-------|--------|--|-------|--------|
| <b>Acids, Inorganic</b>             |       |        | <b>Solvents (Chlorinated)</b>  |       |        |
| 10% Hydrochloric Acid               | G     | F      | Methylene Chloride   | P     | P      |
| 30% Hydrochloric Acid<br>(Muriatic) | F     | P      | <b>Solvents (Ketones &amp; Esters)</b>   |       |        |
| 10% Nitric Acid                     | F     | P      | Methyl Ethyl Ketone (MEK)  | F     | P      |
| 50% Phosphoric Acid                 | E     | G      | Propylene Glycol Methyl Ether Acetate (PMA)                                      | G     | G      |
| 37% Sulfuric Acid (Battery Acid)    | E     | G      | <b>Miscellaneous Chemicals</b>   |       |        |
| <b>Acids, Organic</b>               |       |        | 20% Ammonium Nitrate   | E     | E      |
| 10% Acetic Acid                     | G     | G      | Brake Fluid  | G     | F      |
| 10% Citric Acid                     | E     | E      | Bleach   | E     | E      |
| Oleic Acid                          | E     | G      | Motor Oil (SAE 30)   | E     | E      |
| <b>Alkalies</b>                     |       |        | Skydrol® 500B  | F     | F      |
| 10% Ammonium Hydroxide              | E     | E      | Skydrol® LD4   | F     | F      |
| 50% Sodium Hydroxide                | E     | E      | 20% Sodium Chloride  | E     | E      |
| <b>Solvents (Alcohols)</b>          |       |        | 1% Tide® Laundry Soap  | E     | E      |
| Ethylene Glycol (Antifreeze)        | E     | E      | 10% Trisodium Phosphate  | E     | E      |
| Isopropyl Alcohol                   | F     | F      | Jet Fuel Phillips "Blue" Aviation Gasoline                                       | E     | E      |
| Methanol                            | F     | F      | Unleaded Gas + Ethanol   | E     | G      |
| <b>Solvents (Aliphatic)</b>         |       |        |  |       |        |
| d-Limonene                          | E     | F      |  |       |        |
| Jet Fuel - JP-4                     | E     | E      |  |       |        |
| Gasoline                            | E     | E      |  |       |        |
| Mineral Spirits                     | E     | E      |  |       |        |
| <b>Solvents (Aromatic)</b>          |       |        |  |       |        |
| Xylene                              | G     | G      | Registered trademarks: Tide® of Proctor and Gamble, Skydrol® of Solutia,<br>Inc. |       |        |

Results are based on 1-day and 7-day spot testing. Coating cured 2 weeks prior to testing.

**Legend:**

E - Excellent (No Adverse Effect) - Recommended.

F - Fair (Moderate Adverse Effect) - Not recommended.

G - Good (Limited Adverse Effect) - Use for short-term exposure only.

P - Poor (Unsatisfactory) - Little or no resistance to chemical.

\*Only adverse effect was staining.

**NOTE:** *Reduced chemical resistance and staining is possible in pigmented versions of the system.*

## GENERAL PRODUCT INFORMATION

|  |   |
|--|---|
| <b>STORAGE:</b>                                | Materials should be stored indoors between 65°F [18.3°C] and 80°F [26.6°C].   |
| <b>SHelf LIFE:</b>                             | Six months from date of manufacture.  |
| <b>PACKAGING OPTIONS / PART NUMBERS:</b>       | <b>Eco-Crete HF</b><br>1 gallon / 9014428 (½ gallon Part A, ½ gallon Part B, 1 bag C + 1 powder pigment)<br>10 gallons / 9014432 (5 gallons Part A, 5 gallons Part B, 10 bags C + 10 powder pigments)<br>500 gallons / 9014435 (250 gallons Part A, 250 gallons Part B, 500 bags C + 500 powder pigments)<br><b>Eco-Crete CB</b><br>9014446 (0.25 gallon Part A, 0.25 gallon Part B, 1 bag C + 1 powder pigment)<br><b>Eco-Crete TC</b><br>1 gallon / 9014853 (½ gallon Part A, ½ gallon Part B, 1 bag C + 1 powder pigment)<br>10 gallons / 9014854 (5 gallons Part A, 5 gallons Part B, 10 bags C + 10 powder pigments)<br>500 gallons / 9014855 (250 gallons Part A, 250 gallons Part B, 500 bags C + 500 powder pigments)<br><b>Eco-MPE</b><br>3.0 gallons / 370503<br>15.0 gallons / 370650<br><b>Eco-TCP</b><br>4 gallons / 9012532 |
| <b>STANDARD FLAKE BLENDS / SOLIDS 50# BOX:</b> | For part numbers, refer to Coatings Price List or contact Tennant Customer Service for assistance. Custom blends are also available.  |
| <b>OPTIONS:</b>                                | <b>Powder Pigments:</b> Available in Red, Gray, Dark Gray, Tan, Green, Safety Yellow and Black. Use one powder pigment bag per one-bag mix.<br><b>Standard Colorants:</b> Tile Red, Canada Gray and Medium Gray are typically used in Eco-Crete HF. Use 3 ounces liquid colorant per one-bag mix. Call Tennant Technical Support for other color options.<br><b>Cove:</b> A seamless, smooth transition can be created between the flooring and wall using Eco-Crete CB.  |
| <b>LIMITATIONS:</b>                            | <b>Contamination (Fisheyes):</b> Product may not adhere if oil, silicones, mold release agents or other contaminants are present.<br><b>Outgassing:</b> Blisters may result if sand is not broadcast into the slurry.<br><b>Movement:</b> Moving joints and cracks will reflect through the installed system. 7 day old concrete can be coated, but any shrinkage cracks that form may show in the Eco-Crete.<br><b>Product Stability:</b> Part A and Part B resins must not be allowed to freeze. If you suspect product has frozen, please call Tennant technical support.  |

## IMPORTANT: READ AND FOLLOW ALL PRECAUTIONS AND INSTRUCTIONS BEFORE PROCEEDING.

PLEASE SEE SAFETY DATA SHEET (SDS) FOR HANDLING PROCEDURES.  
USE PRODUCT AS DIRECTED.  
KEEP OUT OF THE REACH OF CHILDREN.

## PRELIMINARY FLOOR INSPECTIONS

**CHECK THE TEMPERATURE AND HUMIDITY:** Floor temperature should be between 40°F (4.4°C) and 85°F (29.4°C) and material temperature should be between 50°F (10°C) and 80°F (26.6°C) for Eco-Crete HF. Humidity must be less than 80%. **DO NOT** coat unless floor temperature is more than five degrees over the current, local dew point.

### **BARE CONCRETE**

**CHECK THE CONCRETE:** Concrete must be structurally sound and free of curing membrane, paint and/or other sealer with no standing water. If you suspect that the concrete has been previously sealed, call Tennant Company Tech Support for further instructions.

## APPLICATION EQUIPMENT

|  |  |   |               |
|--|--|---|---------------|
| • Protective clothing  | • Spiked shoes                           | • Slow speed drill (500 rpm or less)  |               |
| • Screed Box   |  | • 18-24" Flat squeegee  |               |
| • Mortar mixer – (Baugh, Imer or Kol mixer)  |  | • 18-24" 1/16" Notched squeegee   |               |
| • Mohair / Adhesive Roller   | • Roller Assembly                        | • Medium (3/8") Nap Roller  |               |
| • Trowel (stainless steel), 4"x12" (101.6 x 304.8 mm)<br>Pool Trowel, Notch Trowel and Margin Trowel |  | • Jiffy® Mixer Blade<br>[Tennant Part No. 08643-1 (1 gal) or 08643-5 (5 gal)]   |               |
| <b>For optional cove Eco-Crete CB:</b>   |  |   |               |
| • Chalk line   | • Duct tape                              | • Paint brushes   | • Putty Knife |
| • Cove strips  | • 4" (106.6 mm) Roller<br>frame w/covers | • Trowel (stainless steel), 3/8" (9.5 mm) or ½" (12.7 mm)<br>radius cove trowel |               |

**ASSEMBLE EQUIPMENT:** Due to the limited pot life of the material, all application equipment, etc. should be ready for immediate use. (Clean roller with tape to remove any residual lint.)

## PREPARATION

Detergent scrub and rinse with clean water to remove surface dirt, grease, oil and contaminants.

*Steel shot blast (minimum shot size of 330) to a minimum surface profile of CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline #310.2R. Use magnetic broom to remove excess shot, sweep to remove large debris and vacuum to remove fine dust.*

*Scarify:* Sweep to remove large debris and vacuum to remove fine dust.

Key-in all termination points, drains and joints that may move with a 1/4" (6.35 mm) by 1/4" (6.35 mm) cut.

Patch all depressions, divots and stress cracks in concrete with Eco-Crete SL. For areas thicker than 1/4", use Eco-Crete HF.

**JOINTS:** Fill all static (non-moving) cracks or control joints with Eco-Crete SL. Cracking of the resurfacer will occur over joints that are overlaid and later move. Because resurfacers are not flexible, joints that might move should be honored (cut) after the installation and filled with Eco-PJF or Eco-EJF. Isolation joints must be honored and filled with a flexible material designed for this purpose.

## APPLICATION - MORTAR - ECO-CRETE HF

**COVERAGE RATE:** A one bag mix will nominally cover (finished floor): 23 ft<sup>2</sup> (2.1 m<sup>2</sup>) @ 1/4" (6.35 mm).

To achieve a 1/4" (6.35 mm) finished floor, set the screed box at 5/16" (7.94 mm). For a 3/8" (9.53 mm) floor, set the screed box at 7/16" (11.11 mm). If material is too thick, it will be more difficult to level.

Pour out 0.50 gallons (1.89 litres) Eco-Crete Part A into a measuring container. Then, **POUR THE MEASURED PART A INTO THE MORTAR MIXER.** Begin mixing.

**ADD ONE POWDER PIGMENT BAG OR 3 OUNCES OF LIQUID COLORANT TO PART A** and mix for about 15 seconds.

Pour out 0.50 gallons (1.89 litres) Eco-Crete Part B into a measuring container that is separate from the one used with the Part A. Then, **ADD THE MEASURED PART B TO THE PART A** already in the mortar mixer.

**MIX FOR APPROXIMATELY 30 SECONDS** or until thoroughly blended using the mortar mixer.

**GRADUALLY ADD ALL CONTENTS OF A BAG OF ECO-CRETE HF FILLER** into the liquid mixture in the mortar mixer. Blend thoroughly until all particles are wetted out, normally about two minutes. **NOTE:** *It is critical to use the same mixing sequence to ensure color consistency throughout the entire application.*

**POTLIFE AT 75°F:** *Mix only enough material, which can be screeded, troweled and backrolled in a 15-minute period.*

**POUR THE MIXED MATERIAL INTO THE SCREED BOX AND SPREAD MATERIAL** within 3 minutes of mixing.

**TROWEL THE SURFACE LIGHTLY, USING A STEEL FINISH TROWEL** to smooth the surface. Finish trowel strokes should all be in the same direction. Do not overwork the mortar. The material should be troweled to a finished thickness of at least 1/4" to 3/8". For thicknesses greater than 1", add 25 lbs. of clean, dry 3/8" pea gravel to the mixture to help reduce the heat generated during cure. **NOTE:** *If pea gravel is used, it is not a usable surface. It must be overlaid with another layer of the standard mix.*

**IMMEDIATELY ROLL THE SURFACE LIGHTLY IN NO MORE THAN TWO PASSES** with a mohair roller. Excessive rolling or use of loop roller will reduce slip resistance. **NOTE:** *Late or heavy rolling may induce pinholes.*

**LAY ABUTTING EDGES WITHIN 10 MINUTES** to ensure a clean edge. A "wet edge" installation is imperative during large placements to avoid lines and ridges in the finished floor.

**ALLOW COATING TO DRY 24 HOURS** at 75°F (24°C), 50% relative humidity before opening to light traffic. Allow more time at low temperatures, low humidity or for heavier traffic. Full coating properties take 14 days to develop.

## APPLICATION – DECORATIVE FLAKE

**IMMEDIATELY BROADCAST TO EXCESS WITH DECORATIVE FLAKE** into the uncured Eco-Crete HF on the floor. Do not dump or pile the material. Gently scatter it onto the floor by hand tossing so as to cover the wet resin completely. **NOTE:** *It is important that mortar is not visible (no wet or shiny areas) after flake settles, because any visible mortar will yellow.* A coverage rate of 0.2 pounds (0.09 kg) per ft<sup>2</sup> (0.9 m<sup>2</sup>) of flake is recommended.

**ALLOW SYSTEM TO CURE** 8-10 hours at 75°F (24°C).

**THOROUGHLY SWEEP AND VACUUM** to remove loose colored flake from surface. **NOTE:** *DO NOT save and reuse swept and vacuumed colored flake unless you have taken extra precautions.*

## APPLICATION – BROADCAST COAT - ECO-MPE

**COVERAGE RATE:** One gallon (3.78 litres) of Eco-MPE will cover:  
107 ft<sup>2</sup> (9.9 m<sup>2</sup>) at 15 mils (0.38 mm) wet/dry film

**PREMIX PART A** using a Jiffy® mixer blade and slow speed drill. (This is required for both 3-gallon (11.34 litres) and full-filled 5-gallon (18.9 litres) units.) For full-filled 5 gallon pails (18.9 litres), pour out 2 gallons (7.56 litres) into a measuring container. Then, pour the measured Part A into a mixing pail.

**ADD ECO-MPE PART B TO PART A (3 GALLONS / 11.34 LITRES TOTAL MIX).** For full-filled 5-gallon pails (18.9 litres), pour out 1 gallon (3.78 litres) Part B into a measuring container that is separate from the one used with the Part A. Then, add the measured Part B to the Part A already in the mixing pail. **POTLIFE:** *Mix only enough material which can be applied within*

the work time (time between the addition of Part B to Part A and the completion of all application actions). Check the following chart for work times at various temperatures. For smaller quantities, use 2 parts PART A to 1 part PART B by volume.

**APPROXIMATE WORK TIME (minutes) - °F (°C):** 65 (18.3) / 40      70 (21.1) / 30      75 (23.9) / 25      80 (26.7) / 20      90 (32.2) / 15

**MIX FOR 2 MINUTES** using a Jiffy® mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

**IMMEDIATELY POUR ALL OF THE MIXED MATERIAL** onto the floor in a single bead.

**PUSH THE SQUEEGEE** at an even speed and down pressure to apply the desired thickness. A notched squeegee can be used to increase the thickness applied. **NOTE:** *The use of spiked shoes will allow freedom of movement on the wet floor.*

**CAUTION:** *The surface will be slippery.*

**START THE SECOND AND REMAINING PASSES** by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar. **NOTE:** *Eco-MPE applied thin may "bridge" holes and cracks momentarily before soaking in--make sure the previously squeegeed area is overlapped (halfway).*

**BACKROLL THE MATERIAL** with a 3/8" (10 mm) nap roller for a smooth uniformed appearance. Backrolling is required to remove the puddles and squeegee lap marks in order to obtain uniform texture and a consistent mil thickness.

### APPLICATION – DECORATIVE FLAKE

**REPEAT STEPS** used for application of the broadcast flake.

### APPLICATION – GROUT COAT – ECO-TCP

**COVERAGE RATE:** One gallon (3.78 litres) of Eco-TCP will cover:

134 ft<sup>2</sup> (12.4 m<sup>2</sup>) at 12 mils (0.30 mm) wet/dry film

123 ft<sup>2</sup> (11.4 m<sup>2</sup>) at 13 mils (0.33 mm) wet/dry film

115 ft<sup>2</sup> (10.7 m<sup>2</sup>) at 14 mils (0.36 mm) wet/dry film

**NOTE:** *DO NOT APPLY ECO-TCP THICKER THAN 15 MILS (0.38 mm) IN ONE COAT or the result may be a hazy appearance caused by the entrapment of small bubbles.*

**PREMIX PART A** using a Jiffy® mixer blade and slow speed drill.

**POUR 75 OUNCES MIXED ECO-TCP PART A INTO EMPTY 2 GALLON BUCKET. ADD 50 OUNCES OF ECO-TCP PART B TO PART A** (the A:B mix ratio is 1.5:1 by volume). Check the following chart for work times at various temperatures.

**APPROXIMATE WORK TIME - °F (°C) / % RH:** 75 (23.9) / 15 / 20-25 minutes      75 (23.9) / 50 / 15-20 minutes      85 (29.4) / 70 / 15 minutes

**MIX FOR 3 MINUTES** using a Jiffy® mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

**IMMEDIATELY POUR ALL OF THE MIXED MATERIAL** onto the floor in a single bead.

**PUSH THE FLAT SQUEEGEE** at an even speed with sufficient down pressure to apply the thinnest coat. **NOTE:** *The use of spiked shoes will allow freedom of movement on the wet floor.*

**START THE SECOND AND REMAINING PASSES** by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar and push at an even speed with slight down pressure.

**IMMEDIATELY AFTER THE ECO-TCP IS APPLIED** and there is room to roll, a second person will **BACKROLL THE MATERIAL** with a 3/8" (10 mm) roller to a smooth and uniform appearance. **NOTE:** *Get off the Eco-TCP as soon as possible.*

**ALLOW FINAL COAT TO CURE** 24 hours at 75°F (24°C) before opening to light traffic. Allow more time at low temperatures or for heavier traffic. Full coating properties take 14 days to develop.

### APPLICATION – TOPCOAT – ECO-TCP

Apply an additional coat of Eco-TCP to reduce the surface texture.

**COVERAGE RATE:** One gallon (3.78 litres) of Eco-TCP will cover:

267 ft<sup>2</sup> (24.8 m<sup>2</sup>) at 6 mils (0.15 mm) wet/dry film

200 ft<sup>2</sup> (18.7 m<sup>2</sup>) at 8 mils (0.20 mm) wet/dry film

**RECOAT WINDOW:** Apply the second coat within 24 hours at 65-85°F (18.3-23.9°C) / 70% RH.

**NOTE:** *The seal coat of Eco-TCP has to be set up enough to walk on before coating.*

**APPROXIMATE WALK TIME - °F (°C) / % RH:** 75 (23.9) / 15 / 14 hours      75 (23.9) / 50 / 7.25 hours      85 (29.4) / 70 / 5.75 hours

**REPEAT THE STEPS USED FOR MIXING AND SPREADING THE FIRST SEAL COAT OF ECO-TCP.**

**ALLOW FINAL COAT TO CURE** 24 hours at 75°F (24°C) before opening to light traffic. Allow more time at low temperatures or for heavier traffic. Full coating properties take 14 days to develop.

### APPLICATION – OPTIONAL COVE – ECO-CRETE CB

**NOTE:** *Cove installation may be done before placement of the floor; however, a smoother transition is achieved by installing the cove after the floor has been placed.*

**COVERAGE RATE:** The cove mix below typically covers 35 lineal feet (10.7 meters) at a height of 4 inches (101.6 mm). The coverage of the Eco-Crete CB could vary depending on its thickness (cove shape). The primer mix will cover 120 ft<sup>2</sup> (11.1 m<sup>2</sup>).

### APPLICATION – PRIMER – ECO-CRETE TC

Pour out 0.50 gallons (1.89 litres) Eco-Crete Part A into a measuring container. Then, **POUR THE MEASURED PART A INTO THE MIXING CONTAINER.**

Pour out 0.50 gallons (1.89 litres) Eco-Crete Part B into a measuring container that is separate from the one used with the Part A. Then, **ADD THE MEASURED PART B TO THE PART A** already in the mixing pail, and mix for 15 seconds.

**POTLIFE:** *Mix only enough material that can be applied within a 15-minute period.*

**GRADUALLY ADD ALL CONTENTS OF A BAG OF ECO-CRETE TC FILLER** into the liquid mixture and blend thoroughly until all particles are wetted out, normally about 2 minutes.

**APPLY PRIMER TO WALL BASE OR EQUIPMENT PADS** using a paint brush or roller that will receive cove. Allow primer to dry.

### APPLICATION – COVE – ECO-CRETE CB

Pour out 0.25 gallons (0.95 litres) Eco-Crete Part A into a measuring container. Then, **POUR THE MEASURED PART A INTO THE MORTAR MIXER.** Begin mixing.

**ADD ONE POWDER PIGMENT BAG OR 3 OUNCES OF LIQUID COLORANT TO PART A** and mix for about 15 seconds.

Pour out 0.25 gallons (0.95 litres) Eco-Crete Part B into a measuring container that is separate from the one used with the Part A. Then, **ADD THE MEASURED PART B TO THE PART A** already in the mortar mixer. **POTLIFE:** *Mix only enough material that can be applied within a 15-minute period.*

**POUR ONE BAG PART C** into the mortar mixer. Mix until uniform (approximately one minute). The resin needs to completely wet out the sand.

**POUR THE MIXED MATERIAL** along wall or at the base of equipment pads

**USE COVE TROWELS** to apply, compact and finish material.

### TECHNICAL SUPPORT

For any preparation or application questions, please call Tennant technical support at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).

### DISPOSAL

Dispose of all excess material, packaging and other waste in accordance with federal, state and local regulations.

### MAINTENANCE GUIDELINES

**Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).**

**Care:** Proper maintenance will increase the life and help maintain the appearance of your new Tennant floor coating. Sweep and scrub your new coating regularly, as dirt and dust are abrasive and can quickly dull the finish, decreasing the life of your coating. Remove spills quickly as certain chemicals may stain and could possibly permanently damage the finish.

**Use soft nylon brushes or white pads on your new floor coating. Any brush more abrasive than a soft nylon or white pad can cause premature loss of gloss.**

**Detergent:** Tennant has a full range of detergents--general purpose to heavy duty--for your cleaning needs. For assistance in determining which detergent is right for your facility or for additional technical information call: 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).

**Caution:** Avoid scratching or gouging the surface. All floor coatings will scratch if heavy objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may causing chipping or concrete popouts in the case of a weak cap.

Rubber tires can permanently stain the floor coating from plasticizer migration. Plexiglass® between the tire and the floor coating can prevent discoloration.

Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

**Repair:** Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Tennant offers a limited warranty on all products. Please see the Tennant Coatings Limited Product Warranty Statement on our website at [www.tennantcoatings.com/warranty](http://www.tennantcoatings.com/warranty). Please contact the Tennant Coatings Technical Support team for additional questions at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).