Tennant Heavy Duty Flake

Troweled Epoxy Mortar Broadcast

DESCRIPTION - High solids epoxies and silica aggregate are combined to resurface interior concrete floors. Primary system is then broadcast with a decorative flake, followed by a grout coat of an ultraviolet resistant epoxy. A light-stable urethane topcoat is applied which has a satin appearance for long-lasting durability. Gloss options are also available.

RECOMMENDED SYSTEM			
Application Steps	**Tennant Product**	**Application Thickness mils [mm]**	**Coverage Rate ft²/gal [m²/3.78 L]**
Primer	Eco-MPE™	7-9 [0.18-23]	180-220 [16.7-20.4]
Mortar	Eco-PT™ 250	3/16"-1/4" [4.78-6.35]	56-70 [5.2-6.5]
Grout Coat	Eco-PT™ Topcoat	5-8 [0.13-0.20]	200-320 [18.6-29.7]
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-URE™	15-16 [0.38-0.41]	100-107 [9.3-9.9]
Topcoat	Eco-HTS™ 100	3 [0.08]	535 [49.70]

Other Tennant products may be used for the application steps; contact your Tennant Coatings Specialist. See appropriate product bulletin for application instructions or contact Tennant Technical Support. The alternate systems below use different products only for grout coat and topcoats.

ALTERNATE SYSTEM #1			
Application Steps	**Tennant Product**	**Application Thickness mils [mm]**	**Coverage Rate ft²/gal [m²/3.78 L]**
Topcoat	Eco-URE	8 [0.20]	267 [24.8]

ALTERNATE SYSTEM #2			
Application Steps	**Tennant Product**	**Application Thickness mils [mm]**	**Coverage Rate ft²/gal [m²/3.78 L]**
Topcoat	Eco-TCP™	15 [0.38]	107 [9.9]

ALTERNATE SYSTEM #3			
Application Steps	**Tennant Product**	**Application Thickness mils [mm]**	**Coverage Rate ft²/gal [m²/3.78 L]**
Grout Coat	Eco-TCP	15 [0.38]	107 [9.9]
Topcoat	Eco-TCP	8 [0.20]	200 [18.6]

- **LEED® v4** – Indoor Air Quality credits available.
  - 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.
- **INCREASED APPEARANCE** – Light stable / aliphatic over the expected life of the coating. Available in a variety of UV-stable colors.
- **DURABLE** – Eco-HTS™ 100 lasts up to twice as long as standard urethanes; up to four times as long as standard epoxies. It has a satin sheen which maintains a fresh look even in traffic aisles.

ENVIRONMENTALLY & USER FRIENDLY

- Reduced solvent means less evaporation and less waste.
- Low Odor. Can be applied during normal business hours.
- Complies with SCAQMD VOC regulations--<100 g/L.

PRIMARY APPLICATIONS

Hangar Floor	Manufacturing
Automotive Manufacturing	Assembly / Production
Battery Charging Area	Clean Rooms / Labs

SYSTEM PROPERTIES

Property	Test Method	Results	
Abrasion Resistance Taber Abraser CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions.	ASTM D4060	18 mg/loss Result based on independent lab testing of Eco-HTS™.	
Adhesion to Concrete, psi [MPa]	ASTM D4541	450 [3.10] (concrete failed)	
Adhesion to Concrete, psi [MPa]	ASTM D7234	732 [4.48] (concrete failed)	
Coefficient of Friction – COF, James Friction Tester	ASTM D2047	0.63	
Coefficient of Friction - Wet Static, BOT 3000	ANSI/NFSI B101.1	0.94	
Coefficient of Thermal Linear Expansion, mm/mm/C	ASTM D696	5.39×10^{-5}	
Compressive Strength, psi [MPa] (binder resin)	ASTM D695	13,500 [93.08]	
Compressive Strength, psi [MPa]	ASTM C579	10,000 [68.95]	
Flammability	ASTM D635	182 mm/min	
Izod Impact Strength, lb/in [N/m]	ASTM D256	0.26 [45.53]	
König Hardness (3 mil/0.08 mm film) (topcoat resin)	ASTM D4366	171.3	
Shore D Hardness	ASTM D2240	80-85@ 0 sec | 75-80 @ 15 sec	
Sward Hardness (1 mil film)	ASTM D2240	35-40	
Tensile Strength, psi [MPa] (binder resin)	ASTM D2370	8,000 [55.16]	
Percent Elongation, (binder resin)	ASTM D2370	6	
Tensile Strength, psi [MPa]	ASTM C307	1,690 [11.65]	
Volatile Organic Compound, VOC, lb/gal [g/L]	ASTM D3960	**Eco-MPE** A+B = 0.41 [49] **Eco-PT Topcoat** A+B = 0.44 [53]	**Eco-URE** A+B = 0.67 [81] **Eco-HTS 100** A+B+C= 0.05 [6]
Water Absorption (24 hours)	ASTM D570	0.2% weight increase	

Results are based on conditions at 77°F [25°C].

CHEMICAL RESISTANCE PROPERTIES (with Eco-HTS 100 Topcoat)

	1 Day	7 Days		1 Day	7 Days
Acids, Inorganic			**Solvents (Chlorinated)**		
10% Hydrochloric Acid	E	E	Methylene Chloride	P	P
30% Hydrochloric Acid (Muriatic)	E	E	**Solvents (Ketones & Esters)**		
10% Nitric Acid	E	E	Methyl Ethyl Ketone (MEK)	E	E
50% Phosphoric Acid	E	G	Propylene Glycol Methyl Ether Acetate (PMA)	E	E
37% Sulfuric Acid (Battery Acid)	E	E	**Miscellaneous Chemicals**		
Acids, Organic			20% Ammonium Nitrate	E	E
10% Acetic Acid	E	E	Brake Fluid	E	E
10% Citric Acid	E	E	Bleach	E	E
Oleic Acid	E	E	Motor Oil (SAE 30)	E	E
Alkalies			Skydrol® 500B	E	E
10% Ammonium Hydroxide	E	E	Skydrol® LD4	E	E
50% Sodium Hydroxide	E	E	20% Sodium Chloride	E	E
Solvents (Alcohols)			1% Tide® Laundry Soap	E	E
Ethylene Glycol (Antifreeze)	E	E	10% Trisodium Phosphate	E	E
Isopropyl Alcohol	E	E	Coffee	E	E
Methanol	E	E	Coke®	E	E
Solvents (Aliphatic)			Ketchup	E	E
d-Limonene	E	E	Mustard	G*	G*
Jet Fuel - JP-4	E	E	Red Wine	E	G*
Gasoline	E	E	3M™ DuraPrep™	G*	F
Mineral Spirits	E	E	Purdue Betadine Solution	G*	G*
Solvents (Aromatic)			Registered trademarks: Tide® of Proctor and Gamble, Skydrol® of Solutia, Inc., Coke® of Coca-Cola Company and 3M™ DuraPrep™.		
Xylene	E	E			

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

STORAGE:	Materials should be stored indoors between 65ºF [18ºC] and 90ºF [32ºC].	
SHELF LIFE:	One year from date of manufacture.	
PACKAGING OPTIONS / PART NUMBERS:	**Eco-PT 250** 900 sq. ft. / 60690 11,700 sq. ft. / 60690BLK **Eco-PT Topcoat** 3.0 gallons / 370516	**Eco-URE** 15 gallons / 9003322 **Eco-HTS 100** 1.09 gallons / 9002617 5.5 gallons / 9002621
STANDARD LAKE BLENDS / SOLIDS 50# BOX:	For part numbers, refer to Coatings Price List or contact Tennant Customer Service for assistance. Custom blends are also available.	
OPTIONS:	***Colors in Eco-PT 250:*** Use colorants at a rate of ¼ unit (3 ounces) per 3-bag mix. Standard Colorants-White, Light Gray, Yellow and Rotunda Red will not impart total hide. Use these colorants at a rate of ½ unit (8 ounces) per 3-bag mix. **Colors in Eco-MPE and Eco-PT Topcoat:** Use colorants at a rate of one unit per 3-gallon (11.34 litres) mix. Standard Colorants--White, Yellow, Light Gray and Rotunda Red will not impart total hide. Use these colorants at a rate of two units per 3-gallon (11.34 litres) mix. Similar colorants also may not hide as well. Refer to Color Selection Guide or consult Tennant Technical Support. ***Cove*:** A seamless, smooth transition can be created between the flooring and wall. Call Technical Support for assistance or see bulletin on Cove Installation.	
LIMITATIONS:	*Contamination (Fisheyes):* Product may fisheye if oil, silicones, mold release agents or other contaminants are present.	

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 CONCRETE: Concrete must be structurally sound and free of curing membrane, paint or other sealer. If you suspect that the concrete has been previously sealed, call Tennant Company, technical support for further instructions.

CHECK FOR MOISTURE: Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. In-situ relative humidity testing is recommended. Readings must be below 75% relative internal concrete humidity. Test methods can be purchased at www.astm.org, see F2170, or follow manufacturer's instructions. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please call Tennant Company Technical Support for further information / instructions.

NOTE: Although testing is critical, it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

CHECK THE TEMPERATURE AND HUMIDITY: Floor temperature and materials should be between 65°F (18°C) and 90°F (32°C). Humidity must be less than 80%. **DO NOT** coat unless floor temperature is more than five degrees over the current, local dew point.

APPLICATION EQUIPMENT

• Protective clothing	• 18-24" 1/16" Notched squeegee
• Jiffy® mixer blade [Tennant Part No. 08643-1 (1 gal) or 08643-5 (5 gal)]	• Roller assembly (18")
• Slow speed drill (500 rpm or less)	• Medium (3/8") nap roller
• 18-24" (457.2-609.6 mm) Flat rubber squeegee	• Spiked shoes
• Mortar mixer	• Application tray
• Screed box	• Disc machine
• Trowel (stainless steel, 3” x 12” (76.2 x 304.8 mm)	• 100 grit sandpaper
• Epoxy power trowel with combination blades	• Push broom and/or vacuum

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): Use magnetic broom to remove excess shot, sweep to remove large debris and vacuum to remove fine dust.

Key in all termination points.

Patch all depressions, divots and stress cracks in concrete with thickened epoxy to reduce the ability to see the defect through the decorative system.

JOINTS: For a seamless appearance, joints need to be filled. Contraction or control joints can be filled with a semi-rigid joint filler such as Eco-PJF™ or Eco-EJF™. Ensure the joints are clean by running a saw equipped with a diamond blade and vacuum to remove any debris. Construction joints less than one inch wide may also be filled with Eco-PJF. Cracking of the resurfacer will occur over joints that are overlayed 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 - PRIMER - ECO-MPE

Eco-PT 250 is applied over Eco-MPE primer that is still wet or sticky--within 4 hours. It is critical that all concrete is covered to ensure proper adhesion of the overlay.

NOTE: *The kits come with enough Eco-MPE to prime at 180-220 sq. ft. per gallon (16.7-20.4 m^2 per 3.78 litres) for ¼" (6.35 mm) Eco-PT 250 applications. If Eco-PT 250 is being put down at 3/16" (4.76 mm) and/or the floor is extremely porous or rough, additional primer will be needed.*

A thin coat of primer will wet out concrete, help seal off concrete pores and minimize outgassing bubbles. Apply a tight coat of primer with a clean, flexible squeegee. There should be no mil build over the high spots of the concrete.

COVERAGE RATE: Much of this will soak into porous concrete. One gallon (3.78 litres) of Eco-MPE will cover:
220 ft^2 (20.4 m^2) at 7 mils (0.18 mm) wet/dry film
200 ft^2 (18.6 m^2) at 8 mils (0.20 mm) wet/dry film
180 ft^2 (16.7 m^2) at 9 mils (0.23 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)**	**70 (21.1)**	**75 (23.9)**	**80 (26.7)**	**90 (32.2)**
	40	30	25	20	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 – MORTAR – ECO-PT 250

Eco-PT 250 is applied over Eco-MPE primer that is still wet or sticky--within 4 hours. It is critical that all concrete is covered to ensure proper adhesion of the overlay.

COVERAGE RATE: A three bag mix of Eco-PT 250 will nominally cover (finished floor):
56 ft^2 (5.2 m^2) at 1/4" (6.35 mm)
70 ft^2 (6.5 m^2) at 3/16" (4.78 mm)

PREMIX ECO-MPE PART A using a Jiffy® mixer blade and slow speed drill. For full-filled 5-gallon (18.9 litres) units, pour out 1 gallon (3.78 litres) into a measuring container. Then, pour the measured Part A into a mixing pail.

COLORS: Premix Tennant Colorant before adding to Eco-MPE to ensure uniform color. Pour out ¼ pint (½ cup, 4 ounces, 18.29 milliliters) into a measuring container. Add colorant to Eco-MPE Part A and mix using a Jiffy® mixer blade and slow speed drill.
POUR THREE BAGS OF PART C into the mortar mixer. Begin mixing.

ADD ECO-MPE PART B (0.50 gallon / (1.89 litres) TO ECO-MPE PART A (1.00 gallon / 3.78 litres). POTLIFE: *Mix only enough material which can be screeded and troweled in a 15 minute period.*

MIX FOR 1 MINUTE or until thoroughly mixed using the Jiffy® mixer blade and slow speed drill.

POUR THE MIXED PARTS A AND B into the mortar mixer. Mix until uniform (approximately one minute). The resin needs to only wet out the sand.

POUR THE MIXED MATERIAL into the screed box.
To achieve a 1/4" (6.35 mm) finished floor, set the screed box at 5/16" (7.94 mm).
To achieve a 3/16" (4.78 mm) finished floor, set the screed box at 1/4" (6.35 mm).
NOTE: *If the material is too thick, it will be more difficult to level.*

SCREED material over desired area. **NOTE:** *The use of spiked shoes will allow freedom of movement on the unfinished overlay.* **CAUTION:** *The surface will be slippery.*

USE HAND TROWELS for edges and touch up.

POWER TROWEL MATERIAL to compact and achieve finished texture with an epoxy power trowel (<50 rpm) as soon as possible.

ALLOW RESURFACER TO CURE 6-8 hours [at 75°F (24°C)] before sealing. Allow more time at low temperatures.

USE OF A TERRAZZO GRINDER OR SURFACE GRINDER to remove high spots and ensure a continuous surface is highly recommended. Vacuum up the loose material.

APPLICATION – GROUT COAT – ECO-PT TOPCOAT

Eco-PT 250 must be sealed with one coat of Eco-PT Topcoat.

COVERAGE RATE: One gallon (3.78 litres) of Eco-PT Topcoat will cover:
321 ft^2 (29.8 m^2) at 5 mils (0.13 mm) wet/dry film
267 ft^2 (24.8 m^2) at 6 mils (0.15 mm) wet/dry film
229 ft^2 (21.3 m^2) at 7 mils (0.18 mm) wet/dry film
200 ft^2 (18.6 m^2) at 8 mils (0.20 mm) wet/dry film

PREMIX ECO-PT TOPCOAT PART A using a Jiffy® mixer blade and slow speed drill.

COLORS: Premix Tennant Colorant before adding to Eco-PT Topcoat to ensure uniform color. Add colorant to Eco-PT Topcoat Part A and mix using a Jiffy® mixer blade and slow speed drill.

ADD ECO-MPE/ECO-PT TOPCOAT Part B TO ECO-PT TOPCOAT PART A and mix well using a Jiffy® mixer blade and slow speed drill.

MIX FOR 2-3 MINUTES using a Jiffy® mixer blade. **POTLIFE:** *Mix only enough material which can be applied within 20 minutes.*

POUR THE MIXTURE IN A BEAD over the cured Eco-PT 250 mortar or epoxy. **WITH A FLAT SQUEEGEE, SPREAD THE ECO-PT TOPCOAT**. Sealing without backrolling will minimize texture. **BACKROLL WITH A 3/8" (10 mm) NAP ROLLER** for a uniform finish. **NOTE:** *The use of spiked shoes will allow freedom of movement on the unfinished overlay.* **CAUTION:** *The surface will be slippery.*

NOTE: *If backrolling, to ensure a more uniform texture, a separate individual may finish roll by pushing or pulling a roller across the floor in one direction. Unpigmented Eco-PT Topcoat will dry "milky" if put down at more than 6 mils (0.15 mm).*

If Eco-PT Topcoat is being topcoated at floor temperatures of 65-90°F (18-32°C), it does not need to be sanded if applied within 24 hours.

APPLICATION – BROADCAST COAT – ECO-MPE

COVERAGE RATE: One gallon (3.78 litres) of Eco-MPE will cover:
160 ft^2 (14.9 m^2) at 10 mils (0.25 mm) wet/dry film.

Pigment the seed coat of Eco-MPE to help with hide.

COLORS: Premix Tennant Colorants to ensure uniform color. Colorant is added to the Part A and mixed using a Jiffy® mixer blade and slow speed drill. **NOTE:** *When using colorant in the bulk units, add the colorant to the Part A that has been measured into the "mixing pail".*

REPEAT STEPS used for mixing and spreading of the primer coat.

APPLICATION – DECORATIVE FLAKE

IMMEDIATELY BROADCAST TO EXCESS WITH DECORATIVE FLAKE into the uncured Eco-MPE resin 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 epoxy is not visible (no wet or shiny areas) after flake settles, because any visible epoxy will yellow.* A coverage rate of 0.2 pounds (0.09 kg) per ft^2 (0.9 m^2) 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 – GROUT COAT – ECO-URE

COVERAGE RATE: A gallon (3.78 litres) of Eco-URE will cover:
107 ft^2 (9.9 m^2) at 15 mils (0.38 mm) wet/dry film
100 ft^2 (9.3 m^2) at 16 mils (0.41 mm) wet/dry film

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

ADD ECO-URE PART B TO PART A (3 GALLONS / 11.34 LITRES TOTAL MIX). For full-fill 5-gallon (18.9 litres) units, 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)**	**70 (21.1)**	**75 (23.9)**	**80 (26.7)**	**90 (32.2)**
	40	30	25	20	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 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.

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. **NOTE***: Get off the Eco-URE as soon as possible.*

Eco-URE must be topcoated with Eco-HTS 100 at floor temperatures of 65-90°F (18-32°C) within 24 hours.

APPLICATION – TOPCOAT – ECO-HTS 100

PREMIX PART A FOR 3 MINUTES USING A JIFFY® MIXER BLADE with slow speed drill. **POTLIFE:** *Mix only enough material which can be used in a two-hour period.* **NOTE:** *Once opened, this material cannot be resealed for later use.*

COLORS: Premix Tennant Colorant before adding to Eco-HTS 100 to ensure uniform color. Add colorant to Eco-HTS 100 Part A and mix using a Jiffy® mixer blade and slow speed drill. Use colorants at a rate of one unit per 1-gallon (3.78 litres) unit of Eco-HTS 100.

POUR PART C INTO PART A while mixing.

CONTINUE TO MIX AND ADD PART B.

MIX FOR 3 MINUTES using a Jiffy® mixer blade and slow speed drill. Pour into application tray.

APPLY ECO-HTS 100 at the rate of 500 ft^2/gallon (46.45 m^2/L) with a 3/8" (10 mm) nap roller. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate. Dip the roller in the coating and lightly roll out excess in the application tray. Apply two 8-10 foot (2.4-3.0 meters) long paths on the concrete, making one stroke left to right and one right to left. Rewet the roller and apply two more paths adjacent to the first pair. Rewet roller and apply a third pair adjacent to the second.

SPREAD THE MATERIAL evenly with V-shaped cross passes.

MAKE SURE THE FLOOR HAS JUST ENOUGH COATING TO COVER EVENLY. Excess material could cause the floor to blister, especially in high humidity. Insufficient material will cause the floor to look non-uniform.

LEVEL THE AREA with straight passes that cross the initial material paths. These final strokes will reduce roller marks. If the appearance is not satisfactory, reroll the area.

REMIX THE MATERIAL in the tray occasionally (with the roller) to prevent settling of the Part C (filler).

NOTE: *When multiple applicators are used to apply material, inconsistencies between areas may result. To ensure a more uniform finish, an individual outfitted with spike shoes may finish by pushing or pulling a roller across all applicator areas.*

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.

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. Please contact the Tennant Coatings Technical Support team for additional questions at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).