

Tennant Wall Glaze

Wall System



DESCRIPTION - The patch, primer, base coat and build coats are high solids epoxies. The topcoat is a light-stable urethane which has a satin appearance for long-lasting durability. The system will have an orange-peel finish. A gloss option is available.

RECOMMENDED SYSTEM			
Application Steps	Tennant Product	Application Thickness mils [mm]	Coverage Rate ft ² /gal [m ² /3.78 L]
Patching	Eco-MPE™ with Fumed Silica	Varies	Varies
Primer	Eco-MPE™	4 [0.10]	400 [37.16]
Base Coat	Eco-PT Topcoat	6 [0.15]	267 [24.81]
Build Coat	Eco-PT Topcoat	6 [0.15]	267 [24.81]
Topcoat	Eco-HTS™ 100	2.7 [0.07]	600 [55.74]

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 system below uses a different product only for the topcoat.

ALTERNATE SYSTEM #1			
Application Steps	Tennant Product	Application Thickness mils [mm]	Coverage Rate ft ² /gal [m ² /3.78 L]
Topcoat	Eco-URE with Fumed Silica	6 [0.15]	267 [24.81]

- **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.
- **PRODUCTIVE** – Easy-to-Clean surface helps reduce maintenance costs.
- **DURABLE** – Epoxy-based system, providing long-lasting durability. Eco-HTS 100 Topcoat lasts 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.
- **CUSTOM** – Available in an array of colors and textures, to complement your customer's image.

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

Commercial Restrooms	Locker Rooms / Shower Areas
Commercial / Industrial Kitchens	Pharmaceutical / Biomedical Facilities
Correctional Facilities	Transportation Facilities
Food Processing Areas	Laboratories
Hospitals	Schools

TENNANT COATINGS

For First Impressions That Last™

GENERAL PRODUCT INFORMATION

STORAGE:	Materials should be stored indoors between 65°F [18°C] and 90°F [32°C].			
SHELF LIFE:	One year from date of manufacture.			
PACKAGING OPTIONS / PART NUMBERS:	Eco-MPE 3.0 gallons/370503 15 gallons/370650	Eco-PT Topcoat 3.0 gallons/370516	Eco-URE 15.0 gallons/9003322 Fumed Silica (Cab-O-Sil®) 10 lbs. / 370405	Eco-HTS 100 1.09 gallons / 9002617 5.5 gallons/90002621
OPTIONS:	Colors in Eco-MPE, Eco-URE and Eco-PT Topcoat: Use colorants at a rate of one unit per 3-gallon (11.34 litres) mix. Standard Colorants--White, Yellow and Light Gray 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. Colors in Eco-HTS 100: Use Colorants at a rate of one unit per 1-gallon (3.78 litres) mix. Standard Colorants--White, Yellow and Sandy Beige will not impart total hide. 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 WALL INSPECTIONS

SUITABLE SUBSTRATES: Concrete walls, concrete masonry units (CMU), drywall and cement board. **NOTE:** For other substrates, contact Tennant Technical Support.

CHECK THE SUBSTRATE: Substrate must be structurally sound and free of paint, dust or other sealer. If you suspect that the wall has been previously sealed, it must be removed prior to application.

CHECK FOR MOISTURE: Concrete must be dry before application of this coating system. **NOTE:** Do not coat any walls that have chronic moisture issues which may void the warranty.

CHECK THE TEMPERATURE AND HUMIDITY: Wall 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 wall temperature is more than five degrees over the current, local dew point.

APPLICATION EQUIPMENT

• Protective clothing	• 6" Flat squeegee (window)
• Jiffy® mixer blade [Tennant Part No. 08643-1 (1 gal) or 08643-5 (5 gal)]	• Putty knife
• Slow speed drill (500 rpm or less)	• Roller assembly (9")
• Application roller tray	• Medium (3/8") nap roller

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

Substrate finish will affect final appearance of wall coating. (A pre-construction meeting is recommended to determine surface finish.) Ensure wall is free of surface dirt, grease, oil and contaminants.

CONCRETE WALLS: Grind to level any rough areas or remove paint/sealers on the wall. Alternate prep for bare walls: Etch, rinse and allow to dry.

CONCRETE MASONRY UNITS (CMU): Grind to level any rough areas or remove paint/sealers on the wall.

DRYWALL AND CEMENT BOARD: Finished to a level #4 - #5 finish and free of paint.

APPLICATION – PATCHING – ECO-MPE WITH FUMED SILICA

NOTE: Patch all depressions, divots and stress cracks in substrate with thickened epoxy to reduce the ability to see the defect.

ALL CRACKS, HOLES AND TOOL JOINTS MAY BE FILLED prior to base coat application. Use Eco-MPE with a thickening agent such as fumed silica to a self-supporting consistency.

PREMIX PART A. ADD ONE PART ECO-MPE PART B TO TWO PARTS ECO-MPE PART A (by volume). **POTLIFE:** *Mix only enough material which can be applied within 20 minutes.* **NOTE:** *Use two measuring containers for the parts that are poured into a separate pail for mixing.* **ADD AND MIX THE FUMED SILICA** to a self-supporting consistency.

MIX FOR 2-3 MINUTES using a Jiffy® mixer blade.

WITH PUTTY KNIFE OR TROWEL, SPREAD PATCHING MATERIAL to fill all of the voids. Use squeegee to eliminate ridges. **ALLOW PATCHING MATERIAL** to tack up before applying primer.

APPLICATION - PRIMER - ECO-MPE

POROUS SURFACE SHOULD BE PRIMED with Eco-MPE prior to application of base coat.

COVERAGE RATE: Much of this will soak into porous concrete. One gallon (3.78 litres) of Eco-MPE will cover: 400 ft² (37.2 m²) at 4 mils (0.10 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 into an application tray. **DIP 3/8" (10 mm) ROLLER AND APPLY ECO-MPE** at 4 mils (0.10 mm). **NOTE:** *If sagging or running occurs, extend coverage rate.*

ALLOW ECO-MPE to tack up before applying base coat. A faster Tennant epoxy such as Eco-RCE™ may be used.

BEFORE APPLICATION OF BASE COAT, ensure surface is smooth.

APPLICATION – BASE COAT – ECO-PT TOPCOAT

COVERAGE RATE: One gallon (3.78 litres) of Eco-PT Topcoat will cover: 267 ft² (24.8 m²) at 6 mils (0.15 mm) wet/dry film

NOTE: *Applying Eco-PT Topcoat greater than 6 mils (0.15 mm) may result in sagging/dripping.*

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. Use colorants at a rate of one unit per 3-gallon (11.34 litres) unit of Eco-PT Topcoat. Standard Colorants--White, Yellow and Light Gray 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. **NOTE:** *Adjust colorant added based on amount of Eco-PT Topcoat mixed.*

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

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL into an application tray. **DIP 3/8" (10 mm) ROLLER, SPREAD THE ECO-PT TOPCOAT** at 6 mils (0.15 mm) and backroll for a uniform finish.

NOTE: *Unpigmented Eco-PT Topcoat coat will dry "milky" if applied at more than 6 mils (0.15 mm).*

ALLOW COATING TO CURE 12 hours at 75°F (24°C). Allow more time at low temperatures. **NOTE:** *If the build coat of Eco-PT Topcoat is applied within 24 hours at wall temperatures of 65-90°F (18-32°C), sanding is not required.*

APPLICATION – BUILD COAT - ECO-PT TOPCOAT

COVERAGE RATE: One gallon (3.78 litres) of Eco-PT Topcoat will cover: 200 ft² (18.58 m²) at 6 mils (0.15 mm) wet/dry film.

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

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

APPLICATION – TOPCOAT – ECO-HTS 100

TOPCOAT: Use Eco-HTS 100 for the topcoat.

COVERAGE RATE: A gallon (3.78 litres) of Eco-HTS 100 will cover: 600 ft² (55.74 m²) at 2.7 mils (0.07 mm) wet/dry film.

NOTE: *Do not apply less than or greater than 600 ft² (55.74 m²) per gallon.*

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. **NOTE:** If Eco-HTS 100 is not pigmented, the epoxy underneath will amber over time.

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.

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL into an application tray. **DIP 3/8" (10 mm) ROLLER, LIGHTLY ROLL OUT EXCESS AND SPREAD THE ECO-HTS 100** at 2.7 mils (0.07 mm) evenly with V-shaped cross passes. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this thickness.

MAKE SURE THE WALL HAS JUST ENOUGH COATING TO COVER EVENLY. Excess material could cause the wall coating to blister, especially in high humidity. Insufficient material will cause the wall coating 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).

IF SAGGING OCCURS, Eco-HTS 100 may be rerolled within 30 minutes.

ALLOW COATING TO DRY 24 HOURS at 75°F (24°C), 50% relative humidity. Allow more time at low temperatures, low humidity. 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 coating to cure at least one week before cleaning by mechanical means.

Care: Proper maintenance will increase the life and help maintain the appearance of your new Tennant floor coating. Remove splash quickly as certain chemicals may stain and could possibly permanently damage the finish.

Use soft nylon brushes on your new coating. Any brush more abrasive than a soft nylon 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.

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).