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PRODUCT SUBSTITUTION REQUEST:

To: Richard Headland, Renker Erich Parks Architects
Project: Florida National Guard Haines City FMS Renovation
Item: Requesting approval of or equal to product substitution
Description: Seamless Resinous/Epoxy Flooring

Division: 9 Finishes
Section: 09 6723 Concrete Flooring
Paragraph/Article: 2.2.A PurCem 24NA Flooring

TENNANT COMPANY- ARCHITECTURAL COATINGS REQUEST THE FOLLOWING PRODUCT SUBSTITUTION:

Tennant Company Equivalent System:

Base Coat: Eco-Crete SF with aggregate broadcast
Topcoat: Eco-TCP

Attached data includes product description, specifications, performance and test data adequate for evaluation of the request.

The undersigned certifies that the following paragraphs, unless modified by attachment are correct:

- I. The proposed substitution does not affect dimensions shown on drawings.
- II. The proposed substitution will have no adverse effect on the trades, the construction schedule, or specified warranty requirements.
- III. Local support and availability will be available for proposed substitution.

The undersigned further states that the function and quality of the product substitution is equivalent or superior to the specified item.

Submitted By: Terrence Scholz
Signature: _____
Name: Terrence Scholz
Firm: Tennant Company-Architectural Coatings
Address: 2454 Louisiana Ave. N., Golden Valley, MN 55427
Date: 6/7/18
Telephone: 763-513-2182
Attachments: Product Bulletins

- Approved
- Not Approved
- Approved As Noted
- More Information Requested

By: [Signature] Date: 6.25.2018
Remarks: _____

Richard Headland, AIA, NCARB.
REP Architects Inc.

Eco-Crete™ SL



System - A three-part, cementitious-polyurethane slurry system with aggregate broadcast, for resurfacing lightly eroded interior concrete floors in areas that require thermal shock resistance and slip resistance. System is sealed with Eco-Crete TC, a cementitious grout coat.

- **ADVANCE YOUR SUSTAINABILITY GOALS** – Utilizes renewable bean oils and environmentally friendly packaging.
- **LEED® CREDIT** – LEED Green Building Certification Program credits may be available:
 - **Indoor Environmental Quality**
 - 4.2 Low-Emitting Materials, Paint & Coatings
 - **Material and Resource**
 - 6 Rapidly Renewable Materials
- **EXTREME THERMAL STABILITY** – Steam cleanable.
- **SEAMLESS** – Hygienic finish; no grout joints

PRIMARY APPLICATIONS

Commercial Kitchens	Food & Beverage Facilities
Restrooms & Locker Rooms	Laboratories
Supermarkets and Food Prep Areas	

BENEFITS

Impact & abrasion resistant surface	Anti-slip surface, meets ADA recommendations
Low odor, fast installation, fast cure	Resistant to moisture vapor transmission (MVT)
Thermal shock & chemical resistant	Resistant to fungi growth per ASTM G-21
High temperature resistant to 180°F (82.2°C)	

SYSTEM PROPERTIES

Property	Test Method	Results
Compressive Strength	ASTM C579	8,400 psi (57.9 MPa)
Tensile Strength	ASTM C307	1,050 psi (7.2 MPa)
Flexural Strength	ASTM C580	2,700 psi (18.6 MPa)
Bond Strength	ASTM D-4541	100% Concrete Failure
Impact Strength	ASTM D-4226	>160 in-lb
Volatile Organic Compound, VOC	ASTM D3960	Mixed A+B+C = 0.04 lb/gal (5 g/L)
Resistance to Fungi Growth	ASTM G-21	Passes, Rating of 1
Flammability	ASTM D635	Self-extinguishing

Testing performed at 70°F. The data shown above reflects typical results based on laboratory testing under controlled conditions. Variations from the data shown may result. Test methods are modified where applicable.

INSTALLATION DATA

Coverage rate @ 1/8" (3.18 mm) for a 3/16" (4.76 mm) finished floor		32 ft ² (2.97 m ²) per unit
Application Temperature, ambient		40-85°F (4.4-29.4°C)
Application Temperature, material		50-80°F (10-26.6°C)
Pot Life, @ 77°F (25°C)		15 minutes
Traffic, @77°F (25°C)		Light: 12 hours / Full: 24 hours
Fully Cured, @ 77°F (25°C)		7 days

GENERAL PRODUCT INFORMATION

STORAGE:	Materials should be stored indoors between 65°F (18°C) and 80°F (26.6°C).
SHELF LIFE:	6 months
PACKAGING OPTIONS / PART NUMBERS:	<p>Eco-Crete™ SL 1 gallon / 9014442 (½ gallon Part A, ½ gallon Part B, 1 bag C + 1 powder pigment) 10 gallons / 9014444 (5 gallons Part A, 5 gallons Part B, 10 bags C + 10 powder pigments) 500 gallons / 9014445 (250 gallons Part A, 250 gallons Part B, 500 bags C + 500 powder pigments)</p> <p>Eco-Crete™ C 9014446 (0.25 gallon Part A, 0.25 gallon Part B, 1 bag C + 1 powder pigment)</p> <p>Eco-Crete™ TC 1 gallon / 9014853 (½ gallon Part A, ½ gallon Part B, 1 bag C + 1 powder pigment) 10 gallons / 9014854 (5 gallons Part A, 5 gallons Part B, 10 bags C + 10 powder pigments) 500 gallons / 9014855 (250 gallons Part A, 250 gallons Part B, 500 bags C + 500 powder pigments)</p>
STANDARD QUARTZ BLENDS / SOLIDS – 50# BAG:	For part numbers, refer to Coatings Price List or contact Tennant Customer Service for assistance. Custom blends are also available.
OPTIONS:	<p><i>Colors:</i> Available in Red, Gray, Dark Gray, Tan, Green, Blue, Safety Yellow and Black</p> <p><i>Cove:</i> A seamless, smooth transition can be created between the flooring and wall using Eco-Crete CB.</p>
LIMITATIONS:	<p><i>Contamination (Fisheyes):</i> Product may not adhere if oil, silicones, mold release agents or other contaminants are present.</p> <p><i>Outgassing:</i> Blisters may result if sand is not broadcast into the slurry.</p> <p><i>Movement:</i> 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.</p> <p><i>UV/Light Stability:</i> This product is not light stable and will yellow/amber over time unless topcoated with optional UV resistant topcoat.</p> <p><i>Product Stability:</i> Part A and Part B resins must not be allowed to freeze. If you suspect product has frozen, please call Tennant technical support.</p>

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 SL. 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.

CHECK FOR MOISTURE: Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. Calcium chloride testing or in-situ relative humidity testing is recommended. Readings must be below 12 pounds or less per 1,000 ft² (2.3 kg per 92.9m²) over a 24-hour period on the calcium chloride test or below 85% relative internal concrete humidity. Test methods can be purchased at www.astm.org, see ASTM F1869 or F2170, respectively or follow test kit manufacturer's instructions.

APPLICATION EQUIPMENT

<ul style="list-style-type: none"> Protective clothing Spiked shoes Mixing pail Slow speed drill (500 rpm or less) Cam / Gauge rake Porcupine roller Loop roller Trowel (stainless steel), 4"x12" (101.6 x 304.8 mm) Pool Trowel, Notch Trowel and Margin Trowel Flat squeegee ¼" Nap roller Roller assembly Jiffy® Mixer Blade [Tennant Part #. 08643-1 (small unit) / 08643-5 (large unit)] 	<p>For optional cove Eco-Crete CB:</p> <ul style="list-style-type: none"> Chalk line Duct tape Cove strips Paint brushes 4" (106.6 mm) Roller Frame with covers Trowel (stainless steel), 3/8" (9.5 mm) or ½" (12.7 mm) radius cove trowel Putty Knife
For optional topcoat Eco-HTS 100:	
<ul style="list-style-type: none"> Application Tray 	<ul style="list-style-type: none"> 3/8" (10 mm) Medium 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

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 - OVERLAY - ECO-CRETE™ SL

COVERAGE RATE: Coverage rate will depend upon application thickness. A one bag mix will nominally cover (finished floor): 32 ft² (2.97 m²) @ 1/8" (3.18 mm) for a 3/16" (4.76 mm) finished floor.

To achieve a nominal 3/16" (4.76 mm) finished floor, set the rake at 1/8" (3.18 mm).

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

ADD ONE POWDER PIGMENT BAG TO PART A and mix for about 15 seconds.

Pour out 0.5 gallons (1.89 litres) Eco-Crete SL 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 PIGMENTED PART A** already in the mixing pail.

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

GRADUALLY ADD ALL CONTENTS OF A BAG OF ECO-CRETE SL FILLER into the liquid mixture in the mixing pail. Blend thoroughly until all particles are wetted out, normally about two minutes. **DO NOT BLEND AGGRESSIVELY OR INTRODUCE AIR.** **NOTE:** *It is critical to use the same mixing sequence to ensure color consistency throughout the entire application.*

POUR ONE ECO-CRETE SL PART C into the mixing pail. 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 raked, porcupine and loop rolled in a 15-minute period.*

POUR THE MIXED MATERIAL onto floor.

CAM/GAUGE RAKE material over desired area.

USE HAND TROWELS to finish along edges and drains.

USE PORCUPINE ROLLER to release any entrained air as well as work resins to the surface.

IMMEDIATELY ROLL THE ECO-CRETE SL with a loop roller to remove gauge rake marks and level material. **NOTE:** *Late or heavy rolling may induce pinholes. In cool conditions, a smoothing trowel may need to be used prior to porcupine rolling to remove rake marks.*

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.

APPLICATION –TRACTION – BROADCAST QUARTZ OR SILICA SAND

IMMEDIATELY BROADCAST COLORED QUARTZ OR SILICA SAND in the area to excess. Do not dump or pile the aggregate. Gently scatter it onto the floor by hand tossing so as to cover the wet resin completely. A mechanical blower may be used to scatter the granules. A coverage rate of 0.75 pounds (0.35 kg) per ft² (0.09 m²) is recommended.

ALLOW SYSTEM TO CURE APPROXIMATELY 6-8 HOURS to withstand foot traffic.

THOROUGHLY SWEEP AND VACUUM to remove loose colored quartz / silica sand granules from surface.

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 ft² (11.1 m²).

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 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.

APPLICATION – SEAL COAT - ECO-CRETE™ TC

NOTE: *Blended colors of quartz or flake for a more decorative look must be sealed with a clear, light stable topcoat.*

COVERAGE RATE: Coverage rate will depend upon application thickness. A one-bag mix of Eco-Crete TC will nominally cover: 120 ft² (11.1 m²) per unit as topcoat over 20/40 broadcast.

Pour out 0.50 gallons (1.89 litres) Eco-Crete TC Part A into a measuring container. Then, **POUR THE MEASURED PART A INTO THE MIXING PAIL.** **ADD ONE POWDER PIGMENT BAG TO PART A** and mix for about 15 seconds.

Pour out 0.5 gallons (1.89 litres) Eco-Crete TC 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 PIGMENTED PART A** already in the mixing pail.

MIX FOR 15 SECONDS or until thoroughly blended using a Jiffy® mixer.

POUR ONE ECO-CRETE TC PART C into the mixing pail. 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 squeegeed and rolled in a 15-minute period.*

POUR THE MIXED MATERIAL onto floor in ribbons. Using a flat squeegee move material uniformly across floor. Roll and backroll material using a ¼" nap roller to a uniform appearance. Do not over work.

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 4 (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 4 (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

This warranty applies to all Specialty Surface Coatings, with the following exceptions: Eco-Hard-N-Seal™, Eco-EDP™ (Electrostatic Dissipative Primer), Eco-EDE™ (Electrostatic Dissipative Epoxy), and SDS™ (Static Dissipative System). These products have a separate warranty policy.

Tennant Company warrants its Specialty Surface Coatings to be free from defective manufacture, improper formulation, and defective ingredients. Warranty covers replacement of materials only.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

In no event shall Tennant or Seller be liable for any incidental, consequential, or special damages arising out of the use of Tennant Specialty Surface Coatings. **THE ONLY REMEDY OF THE USER OR BUYER, AND THE ONLY LIABILITY OF TENNANT AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES, OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE) SHALL BE REPLACEMENT OF THE PRODUCT OR, AT THE ELECTION OF TENNANT OR SELLER, RETURN OF THE PURCHASE PRICE.**

No representative of Tennant has authority to give any other warranty or assume other liability. The presence of a Tennant employee during the application of Tennant's Specialty Surface Coatings does not extend or alter the warranty or limitations in any manner whatsoever.

Eco-TCP™ / Eco-TCP™ Fast



Description - A thick coat polyaspartic used in multiple systems. It is able to protect vinyl tiles at 3 mils and seal decorative quartz and flake up to 15 mils per coat.

- **BEAUTIFUL** – Complement any environment with a virtual rainbow of colors and patterns. Complete light stability / aliphatic over the expected life of the coating.
- **REDUCE DOWNTIME** – Fast curing product allows foot traffic in hours.
- **LEED® CREDIT** – LEED Green Building Certification Program credits may be available:
 - **Indoor Environmental Quality**
 - 4.2 Low-Emitting Materials, Paint & Coatings

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.

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-TCP™ 4.0 gallons / 9012532	Eco-TCP™ Fast 4.0 gallons / 9012527
LIMITATIONS:	<i>Contamination (Fisheyes):</i> Product may fisheye if oil, silicones, mold release agents or other contaminants are present.	

SYSTEM PROPERTIES

Property	Test Method	Results
		Eco-TCP/ Eco-TCP Fast
Volatile Organic Compound – VOC	ASTM D3960	0.31 lb/gal (37 g/L)
Abrasion Resistance Taber Abraser CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions	ASTM D4060	43 mg/loss
Adhesion to Concrete	ASTM D4541	1948 psi (4.48 MPa) (concrete failed)
Adhesion to Concrete	ASTM D7234	480 psi (3.10 MPa) (concrete failed)
Wet Static Coefficient of Friction, BOT 3000	ANSI/NFSI B101.1	0.99
Resistance to Yellowing As measured using ASTM D2244 after 1000 consecutive hours UV exposure in QUV.	ASTM G154	<20 increase of yellow units (CIE Lab Δb)
Tensile Strength (seal coat)	ASTM D2370	6,913 psi (47.66 MPa)
Percent Elongation (seal coat)	ASTM D2370	8
Thermal Stability / Heat Resistance	MIL-D-3134J Section 4.6.3	No slip/flow, softening or change in appearance
Water Absorption, 24-hour immersion	ASTM C413	0.2% weight increase

Testing performed at ambient conditions unless stated otherwise.

CHEMICAL RESISTANCE PROPERTIES

	Eco-TCP / Eco-TCP Fast	
	Spill / Splash - Uncovered	1 Day / 7 Days Covered
Coating cured 2 weeks prior to testing.		
Acids, Inorganic		
10% Hydrochloric Acid	G	G / F
30% Hydrochloric Acid (Muriatic)	G	F / P
10% Nitric Acid	F	F / P
50% Phosphoric Acid	G	E / G
37% Sulfuric Acid (Battery Acid)	G	E / G
Acids, Organic		
10% Acetic Acid	G	G / G
10% Citric Acid	E	E / E
Oleic Acid	E	E / G
Alkalies		
10% Ammonium Hydroxide	E	E / E
50% Sodium Hydroxide	E	E / E
Solvents (Alcohols)		
Ethylene Glycol (Antifreeze)	E	E / E
Isopropyl Alcohol	E	F / F
Methanol	E	F / F
Solvents (Aliphatic)		
d-Limonene	E	E / F
Jet Fuel - JP-4	E	E / E
Gasoline	E	E / E
Mineral Spirits	E	E / E
Solvents (Aromatic)		
Xylene	E	G / G
Solvents (Chlorinated)		
Methylene Chloride	P	P / P
Solvents (Ketones & Esters)		
Methyl Ethyl Ketone (MEK)	F	F / P
Propylene Glycol Methyl Ether Acetate (PMA)	E	G / G
Miscellaneous Chemicals		
20% Ammonium Nitrate	E	E / E
Brake Fluid	G	G / F
Bleach	G	E / E
Motor Oil (SAE 30)	E	E / E
Skydrol® 500-B4	F	F / F
Skydrol® LD4	F	F / F
20% Sodium Chloride	E	E / E
1% Tide® Laundry Soap	E	E / E
10% Trisodium Phosphate	E	E / E
Jet Fuel Phillips "Blue" Aviation Gasoline	E	E / E
Unleaded Gas + Ethanol	E	E / G

ASTM D1308 Test Method 3.1.1 spot test, covered. Results are based on 1-day and 7-day. 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.

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

Registered trademarks: Tide® of Procter and Gamble and Skydrol® of Solutia, Inc.



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

COATINGS










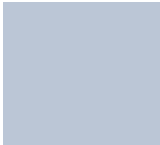
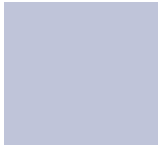
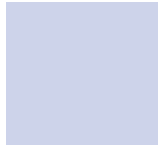
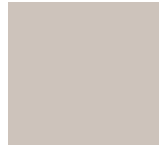

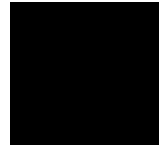
Floor Coatings Color Selection Guide

DECORATIVE FLAKE, DECORATIVE
QUARTZ, AND COLORANTS

COLORANTS

AVAILABLE IN SATIN AND GLOSS FINISHES. CAN BE USED WITH TENNANT STANDARD EPOXY AND URETHANE SYSTEMS AND TENNANT MMA BROADCAST SYSTEMS*.

STANDARD COLORANTS Stocked.

							
Baby Blue 9014601	Sky Blue 9007102	Hyper Blue 9013020	Green 370571	Ruby Red 9007693	Tile Red 60614	Medium Gray 60618	Battleship Gray 60613
							
Canada Gray 60617	Light Gray 370370	California Gray 100 9002627	Summer Gray 100 9002626	Sandy Beige 60619	Traffic Yellow 9006540	Black 370313	White 370300

STANDARD COLORANTS Non-stocked. Additional 5-day lead time required.

							
Smoke Blue 60615	Pastel Blue 9013493	Water Blue 9000691	Regal Blue 60609	Midnight Blue 9008437	Teal 392429	Mint Green 9010199	Signal Green 9009292
							
Ivy Green 60608	Moss Green 9007101	Tomato Red 9010642	Rotunda Red 370308	Raspberry 9008968	Auto Red 370475	Concrete Gray 378007	Squirrel Tail 9004840
							
Dark Granite 9011325	Cocoa 9012513	Beechwood 9011322	Saddle Tan 370567	Twin Cities Beige 9000859	Dark Brown 9003971	Moroccan Sunset 9007187	Terra Cotta 370585
							
Smoky Topaz 9008381	Copper Brown 9009599	Earthen Jug 9010985	Signal Orange 9009291	Light Brown 9003970	Caution Yellow 9001673	Sunshine Yellow 370419	Sunflower Yellow 100 9003115
							
Yellow 60616	Lavender 392419	Eggplant 9013023	Black 100 9002700	White 100 9002625			

*When using Tennant MMA, colorants can only be used over a broadcast surface. Cannot use colorant with a smooth/non-textured system.

METALLIC COLOR SELECTION

TO BE USED WITH TENNANT STANDARD EPOXY AND URETHANE SYSTEMS. PATTERNS AND DESIGN WILL VARY DEPENDING ON APPLICATION TECHNIQUE.

METALLIC POWDER PIGMENTS



Stained concrete epoxy systems also available. Contact your local sales rep for more information.

DECORATIVE FLAKE SOLIDS

CHOOSE ANY SOLID FLAKE COLOR OR COMBINATION TO CREATE A CUSTOMIZED LOOK

SOLID FLAKE COLORS Packaged in 50 lb box



DECORATIVE FLAKE BLENDS

PROJECT A QUALITY IMAGE THROUGH TENNANT'S
DECORATIVE FLAKE SYSTEMS

STANDARD FLAKE VARIATIONS Flake available in 1/4", 1/8" and 1/16". Full and random flake options available



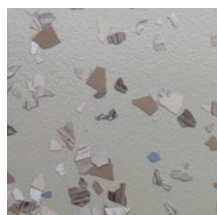
1/4" Full Flake Broadcast
Parker Blend Flake
9014378



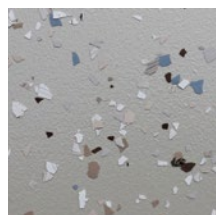
1/8" Full Flake Broadcast
Parker Blend Flake
9014413



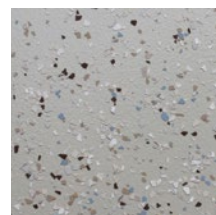
1/16" Full Flake Broadcast
Parker Blend Flake
9014207



1/4" Random Parker Blend
Flake



1/8" Random Parker Blend
Flake



1/16" Random Parker
Blend Flake

STANDARD FLAKE BLENDS Packaged in 50 lb box (part numbers listed below are for 1/4" flake)



Varicolored Brown
9013777



Pumice
9014363



Obsidian
9014364



Basalt
9014365



Schist
9014366



Stone Creek
9014367



Babcock Brown
9014308



Stonewash
9011891



Shamrock
9014377



Leopard
9014379



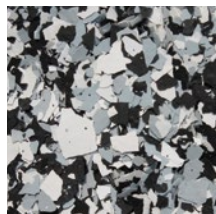
Antique Redwood
9009304



Metal Gray
9014382



Mountain Gray
9014380



Tornado
9000679



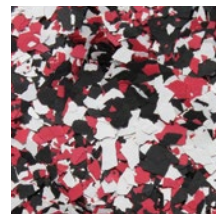
Tweed
9000676



Evergreen
9000677



Storm
9000678



Checkerboard
9000675

STANDARD MICA FLAKE BLENDS Packaged in 25 lb box



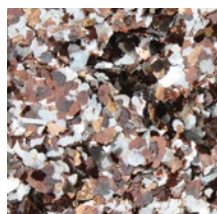
Midnight Silver (1/4")
9014381



Midnight Silver (1/16")
9014397



Multy (1/4")
9014291



Multy (1/16")
9014396

Check out our online [Coatings Flake Tool](http://www.tennantcoatings.com) at www.tennantcoatings.com to create your customized flake blend. Custom blends available upon request.

All colors shown are close approximations. Please call for samples.

DECORATIVE QUARTZ SOLIDS

CHOOSE ANY SOLID QUARTZ COLOR OR COMBINATION
TO CREATE A CUSTOMIZED LOOK

SOLID BROADCAST Packaged in 50 lb bag (*part numbers listed below are for 40 mesh – small broadcast quartz*)

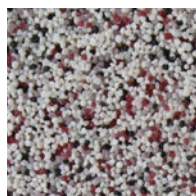


Quartz solids also available in trowel grade (25 mesh – large quartz).

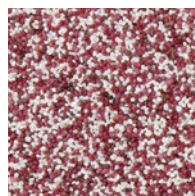
DECORATIVE QUARTZ BLENDS

COMBINE THE AESTHETICS REQUIRED FOR A COMMERCIAL ENVIRONMENT
WITH THE PERFORMANCE OF AN INDUSTRIAL FLOOR

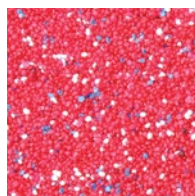
STANDARD BROADCAST BLENDS Packaged in 50 lb bag (part numbers listed below are for 40 mesh – small broadcast quartz)



Black Cherry
9000630



Cranberry Red
9000632



Fire Station Red
9008994



Ruby
9009200



Firehouse
9009199



Cinnamon
9009198



Cinnamon Twist
9000631



Coconut
9009187



Breaking Dawn
9009186



Sandstone
9000634



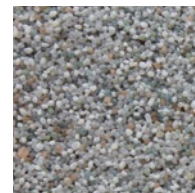
Driftwood
9009190



Mossy Oak
9009196



Tradewinds
900919



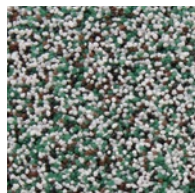
Tundra
9009177



Aquarium
9009192



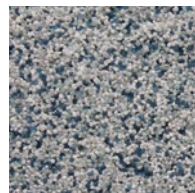
Avacado
9009197



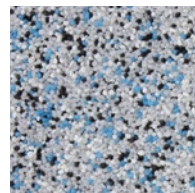
Northwoods Green
9000633



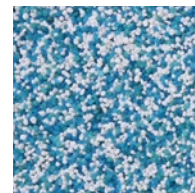
New Moon
9009193



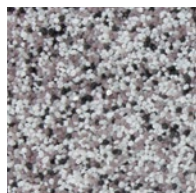
Marina
9009194



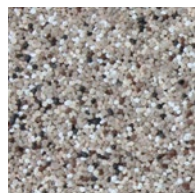
Twilight Blue
9000636



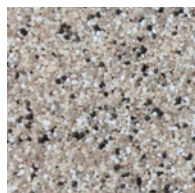
Clearwater
9009195



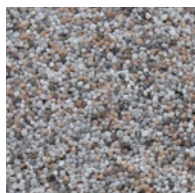
Wild Plum
9000637



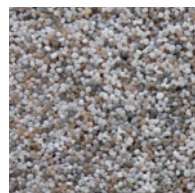
Davenport
9009189



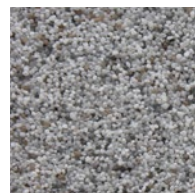
Biscuit
9009188



Oyster
9009179



Oxford
9009180



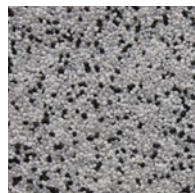
Solstice
9009178



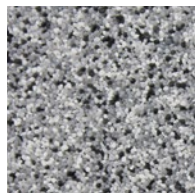
Crystal
9009176



Quicksand
9009181



Dalmatian
9009182



Stone Gray
9000635



Twilight Gray
9009185

Also available in trowel blend. Trowel blend is a mix of both broadcast grade (40 mesh) and trowel grade (25 mesh).

Check out our online [Coatings Quartz Tool](http://www.tennantcoatings.com) at www.tennantcoatings.com to create your customized quartz blend. Custom blends available upon request.

All colors shown are close approximations. Please call for samples.

Eco-CRETE™ COLOR SELECTION

CREATE A UNIQUE ENVIRONMENT WITH OUR CEMENTITIOUS URETHANE POWDER PIGMENT OPTIONS

ECO-CRETE



Red
9014696



Safety Yellow
9014460



Green
9014458



Blue
9014459



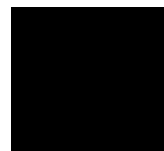
Tan
9014457



Gray
9014455



Dark Gray
9014456



Black
9014461

PARKING DECK COLOR SELECTION

ENHANCE AND CUSTOMIZE THE LOOK OF YOUR PARKING DECK WITH A VARIETY OF COLOR OPTIONS

STOCKED COLORS



Light Gray*
9013614



Medium Gray*
9013709



Dark Gray
9013710



Tan
9014575



White
9014573

SPECIAL ORDER COLORS 3 week lead time. Requires minimum order of 250 gals.



Brick Red
9014571



Tennis Court Green
9014569



Dark Tan
9014577



Chocolate
9014579

*Light gray has a green hue to it and medium gray has a blue hue to it.

All colors shown on this page are close approximations. Please call for samples.

FOR FIRST IMPRESSIONS THAT LAST™

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