ABRASION

METHOD: ASTM D 4060, (CS-17 Wheel, 1,000 gram load).

SYSTEM: Series 248 EverThane cured 30 days at 75°F (24°C).

REQUIREMENT: No more than 18 mg loss after 1,000 cycles, average of three tests. (TR5802)

ADHESION

METHOD: ASTM D 4541 (Method B).

SYSTEM: 1. Series 201 Epoxoprime/Series 280 Tneme-Glaze/Series 248 EverThane applied to SSPC-SP13/NACE No. 6, ICRI-CSP4 Brush-Off Blast Cleaned concrete and cured 14 days at 75°F (24°C).
2. Series 201 Epoxoprime/Series 281 Tneme-Glaze/Series 248 EverThane applied to SSPC-SP13/NACE No. 6, ICRI-CSP-4 Brush-Off Blast cleaned concrete and cured 14 days at 75°F (24°C).

REQUIREMENT: Exceeds the cohesive strength of the concrete substrate (400 psi).

CHEMICAL RESISTANCE

METHOD: TTM-59 (Covered Spot Test).

SYSTEM: Series 248 EverThane cured 30 days at 75°F (24°C).

REQUIREMENT: No blistering, cracking, checking or delamination of film. No more than slight softening or very slight swelling and loss of gloss after 24 hours exposure to the following reagents: (TR5812)

30% Sulfuric Acid	10% Hydrochloric Acid
50% Phosphoric Acid	10% Acetic Acid
50% Sodium Hydroxide	10% Ammonium Hydroxide
Methyl Ethyl Ketone	Ethyl Alcohol
Hexane	Xylene
Gasoline	Ethylene Glycol
Skydrol	Brake Fluid
Transmission Fluid	Aviation Gas
Jet Fuel (JP4)	

COEFFICIENT OF FRICTION

METHOD: ASTM D 2047.

SYSTEM: Series 248 EverThane applied to cement board panels and cured 14 days at 75°F (24°C).

REQUIREMENT: No less than 0.67 static coefficient of friction, average of three tests. (TR5806A)

GRAFFITI RESISTANCE

METHOD: The following graffiti materials applied to coating and allowed to dry for seven days.

SYSTEM: Series 205 Terra-Tread/Series 248 EverThane applied to SSPC-SP7/NACE No. 4 Brush-Off Blast Cleaned steel and cured 30 days at 75°F (24°C).

RESULTS: Complete and easy removal of the following graffiti materials: (TR5810)

Acrylic Spray Paint	Epoxy Spray Paint
Ballpoint Ink	Crayon
Markette Marker	Lipstick

© May 17, 2010 by Tnemec Co., Inc.

HARDNESS

METHOD: ASTM D 3363.

SYSTEM: Series 248 EverThane cured 30 days at 75°F (24°C).

REQUIREMENT: Not less than a rating of 2H (gouge). (TR5808)

STAIN RESISTANCE

METHOD: ASTM D 1308 (Covered Spot Test).

SYSTEM: Series 248 EverThane cured 30 days at 75°F (24°C).

REQUIREMENT: No effect after 24 hours exposure to the following reagents: (TR5814)

5% Soap Solution	Ethyl Alcohol	5% Sodium Hydroxide
5% Ammonium Hydroxide	Black Shoe Polish	Catsup
6% Sodium Hypochlorite	Coffee	Tea
Crayon	Dish Soap	French Dressing
Grape Jam	Lime Juice	Lipstick
Lysol Concentrate	Margarine	Mustard
Toothpaste	Vegetable Oil	Vinegar
Lighter Fluid	409 Cleaner	

This product will meet or exceed the above test requirements established for the coating systems listed. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating. Published technical data is subject to change without notice. The online catalog at www.tnemec.com should be referenced for the most current technical data and instructions. For additional performance criteria and specific test results, contact Tnemec Company or its representative.

© May 17, 2010 by Tnemec Co., Inc.

StrataShield

PRODUCT DATA SHEET

EVERTHANE SERIES 248

top coat

PRODUCT PROFILE

GENERIC DESCRIPTION Aliphatic Moisture Cured Urethane

COMMON USAGE Extremely hard, chemical-resistant urethane floor coating with superb wear characteristics. Excellent resistance to abrasion, wet conditions, corrosive fumes and chemical contact. Excellent gloss and color retention. Low odor characteristic allows for use near occupied space.
Note: For horizontal surfaces only.

COLORS Supplied as a clear coat, may be tinted with available Series 821 color pack in the 16 standard StrataShield colors and limited custom colors. Color packs sold separately. Contact Tnemec Company for availability. **Note:** Certain colors may require multiple coats depending on method of application and finish coat color. When feasible, the preceding coat shoud be the same color as the topcoat.

FINISH Semi-gloss

PERFORMANCE CRITERIA Additional test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

PRIMERS **Concrete:** Series 201, 237, 238, 280, 281

INTERMEDIATE Series 210, 237, 238, 280, 281, 284, 285
Note: Before topcoating with Series 248, previous coat **must** be thoroughly scarified using a power sander with 100 grit sandpaper, No. 60 mesh sanding screen or a course stripping pad to eliminate surface tension. Failing to uniformly degloss the entire surface or thoroughly clean all surface contamination may lead to fisheyes and/or poor adhesion.

SURFACE PREPARATION

Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations.

ALL SURFACES Must be clean, dry and free of oil, grease and other contaminants. Existing coatings require thorough scarification using a power sander with 100 grit sandpaper and compatibility testing.

TECHNICAL DATA

VOLUME SOLIDS 92 ± 2.0% (clear mixed) †

RECOMMENDED DFT 2.0 to 3.0 mils (50 to 75 microns) per coat. **Note:** Number of coats will vary depending on color, substrate (surface) and other variables. Contact your Tnemec representative.

CURING TIME

Temperature	Min. Recoat ‡	To Service	Chemical Resistance
75°F (24°C)	12 hours	24 hours	7 days

‡ When recoating, the surface **must** be thoroughly scarified using 100 grit sandpaper or No. 60 mesh sanding screen. Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS **Unthinned:** 0.68 lbs/gallon (82 grams/litre) †

THEORETICAL COVERAGE 1,476 mil sq ft/gal (36.2 m²/L at 25 microns). See APPLICATION for coverage rates. †

NUMBER OF COMPONENTS Three: Part A, Part B (clear) and Part C

PACKAGING

	PART A (Partially filled)	PART B	PART C (Partially filled)	When Mixed Yield
Large Kit	3 gallon pail	1/2 gallon can	1 gallon can	3.225 gallons (12.2L)
Small Kit	1 gallon can	1 pint can	1 quart can	1.075 gallons (4.07L)

Color packs are sold separately as 821 Field Colorant. Add one pint color pack per small kit or three pints color pack per large kit.

NET WEIGHT PER GALLON 10.67 ± 0.25 lbs (4.84 ± .11 kg) (clear mixed) †

STORAGE TEMPERATURE Minimum 20°F (-7°C) Maximum 110°F (43°C)

TEMPERATURE RESISTANCE (Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHELF LIFE Part A: 12 months; Part B: 12 months; Part C: 24 months in unopened cans at recommended storage temperature.

FLASH POINT - SETA Part A: > 200°F (93°C) Part B: 186°F (86°C)

HEALTH & SAFETY Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

© January 05, 2012 by Tnemec Co., Inc.

Published technical data and instructions are subject to change without notice. The online catalog at www.tnemec.com should be referenced for the most current technical data and instructions or you may contact your Tnemec representative for current technical data and instructions.

EVERTHANE | SERIES 248

APPLICATION

COVERAGE RATES

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	2.5 (65)	2.5 (65)	590 (54.8)
Minimum	2.0 (50)	2.0 (50)	738 (68.5)
Maximum	3.0 (75)	3.5 (90)	492 (45.7)

Allow for surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

MIXING

Premix Part A for one minute. While under agitation slowly sift in Part C powder. If material is to be tinted, use one pint container of Series 821 color for a small kit and three pints for a large kit once the Parts A and C are thoroughly combined. Mix well before adding the Part B. Do not use mixed material beyond pot life limits. Part A is moisture sensitive and will react with atmospheric moisture. Mix in full kits only. Opened material should not be reused. Do not reseal containers of mixed material.

THINNING

None required or recommended.

POT LIFE

2 hours at 77°F (25°C)

APPLICATION EQUIPMENT

Roller: Use a 1/4" or 3/8" (6.4 mm or 9.5 mm) high quality and shed-resistant synthetic woven nap cover. Do not use long nap roller covers.
Brush: Use high quality natural or synthetic bristle brushes.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 90°F (32°C)
The surface should be dry and at least 5°F (3°C) above the dew point. This product is moisture sensitive until cured.

AMBIENT HUMIDITY

Humidity must be below 80%. Application of the coating above the maximum recommended dry film thickness or at relative humidities above 80% may cause bubbles to form in the cured film.

CLEANUP

Flush and clean all equipment immediately after use with MEK.

† Values may vary with color.

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Tnemec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Tnemec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer's sole and exclusive remedy against Tnemec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose as long as Tnemec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.

© January 05, 2012 by Tnemec Co., Inc.

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

096723-008
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

096723
SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples (_____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ○ Record Documents
- ◉ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ O&M Manuals
- ○ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ◉ Action
- ○ Information Only
- ○ Record

REMARKS OR DEVIATIONS

Samples pending color choice and LEED submittals forthcoming.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick — REVIEWED BY
12/6/16 — DATE

To be completed by Reviewer

09 6723-008
CANNON DESIGN SUBMITTAL NUMBER

12/7/16
RECEIVED DATE

- ○ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ○ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ○ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ○ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ○ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

○ See attached sheet(s) for additional comments

Provide physical samples for Q201, Q205, and Q206.

Kelvin Patel — REVIEWED BY

Digitally signed by Kelvin Patel
DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design, OU=Architect, CN=Kelvin Patel
Date: 2016.12.14 14:37:30-06'00'

12/14/16 — DATE

PARIC
EXPERIENCE. EXCELLENCE.
77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0374

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 12/06/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Resinous Flooring Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		096723-008	1		12/06/2016	Resinous Flooring Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates