



TNEMEC COMPANY, INC.

Flooring Systems Guide

(Sustainable Systems w/Environmental Product Declarations)

Tnemec Company, Inc.

123 W. 23rd Avenue, North Kansas City, MO 64116

t. +1 816-483-3400 **e.** marketing@tnemec.com **w.** tnemec.com

Published technical data, instructions and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability and product information, please refer to Tnemec Product Data Sheets at tnemec.com or contact your Tnemec technical representative.

THIN FILM SYSTEMS

System Type	Strata-Coat HS-HT (FSEPD1)
Surface Preparation	SSPC-SP13 / NACE 6, Clean & Dry
Primer	Series N222 Deco-Tread at 250 sq ft/gal
Intermediate Coat	Series N222 Deco-Tread (pigmented) at 135 - 160 sq ft/gal
Finish Coat (Option 1) ¹	Series N222 Deco-Tread (pigmented) at 135 - 160 sq ft/gal
Finish Coat (Option 2) ¹	Series 247 or 248 EverThane (pigmented) at 480 - 730 sq ft/gal
Optional Cove Base	Series N222 Deco-Tread mixed with aggregate to form cove mortar at 4" rolled radius or 1" cant coving

¹ Select Finish Coat based on the desired attributes and sheen.

System Type	Strata-Coat PA (FSEPD2)
Surface Preparation	SSPC-SP13/NACE 6, Clean and Dry
Primer ¹	Series 256 or 257 ExcellaThane (pigmented) at 200 - 250 sq ft/gal
Finish Coat ¹	Series 256 or 257 ExcellaThane (pigmented) at 135 - 160 sq ft/gal
Optional Cove Base	Series 256 or 257 ExcellaThane mixed aggregate to form cove mortar at 4" rolled radius or 1" cant cove

¹ Select Primer & Finish Coat based on the desired attributes.

LAMINATE FLOORING SYSTEM

System Type	Strata-Quartz HS-HT (FSEPD3)
Surface Preparation	SSPC-SP13 / NACE 6, Clean & Dry
Primer	Series N222 Deco-Tread at 250 sq ft/gal
Base Coats ¹	Series N222 Deco-Tread (broadcast to refusal) with N222-Part C Decorative Quartz at 80 sq ft/gal
Grout Coat	Series N222 Deco-Tread at 100 - 200 sq ft/gal
Finish Coat ²	Series 247 or 248 EverThane at 480 - 730 sq ft/gal
Optional Cove Base	Series N222 Deco-Tread mixed with aggregate to form cove mortar at 4" rolled radius or 1" cant cove

¹ Two coats required.

² Select Finish Coat based on the desired attributes and sheen.

Carefully review product data sheets, along with related application guides, at www.tnemec.com. Systems outlined in this guide meet LEED v4, v4.1, and v5 Low-Emitting Materials. In addition, all coatings have been CDPH v1.2-2017 emissions tested and also have a published Environmental Product Declaration available. Review the coating system(s) with a Tnemec Representative prior to final selection. For more information visit www.tnemec.com/sustainability.

LAMINATE FLOORING SYSTEM (CONT.)

System Type	Strata-Quartz PA (FSEPD4)
Surface Preparation	SSPC-SP13 / NACE 6, Clean & Dry
Primer ²	Series 256 or 257 ExcellaThane at 250 sq ft/gal
Base Coats ^{1,2}	Series 256 or 257 ExcellaThane <u>broadcast to refusal</u> with N222-Part C Decorative Quartz at 80 sq ft/gal
Grout Coat ²	Series 256 or 257 ExcellaThane at 100 - 200 sq ft/gal
Finish Coat ²	Series 256 or 257 ExcellaThane at 100 - 200 sq ft/gal
Optional Cove Base	Series 256 or 257 ExcellaThane mixed with aggregate to form cove mortar at 4" rolled radius or 1" cant cove

¹ Two coats required.

² Select Primer, Base Coats, Grout Coat, and Finish Coat based on the desired attributes.

System Type	Strata-Flake HS-HT (FSEPD5)
Surface Preparation	SSPC-SP13 / NACE 6, Clean & Dry
Primer	Series N222 Deco-Tread at 250 sq ft/gal
Base Coat	Series N224 Deco-Fleck (pigmented) <u>broadcast to refusal</u> with N224-Part C Decorative Flake at 160 sq ft/gal
Base Coat (Optional)	Series N224 Deco-Fleck (clear) <u>broadcast to refusal</u> with N224-Part C Decorative Flake at 160 sq ft/gal
Grout Coat	Series N222 Deco-Tread (clear) at 100 - 200 sq ft/gal
Finish Coat ¹	Series 247 or 248 EverThane at 480 - 730 sq ft/gal
Optional Cove Base	Series N222 Deco-Tread mixed with aggregate to form cove mortar at 4" rolled radius or 1" cant cove

¹ Select Finish Coat based on the desired attributes and sheen.

Carefully review product data sheets, along with related application guides, at www.tnemec.com. Systems outlined in this guide meet LEED v4, v4.1, and v5 Low-Emitting Materials. In addition, all coatings have been CDPH v1.2-2017 emissions tested and also have a published Environmental Product Declaration available. Review the coating system(s) with a Tnemec Representative prior to final selection. For more information visit www.tnemec.com/sustainability.

LAMINATE FLOORING SYSTEM (CONT.)

System Type	Strata-Flake PA (FSEPD6)
Surface Preparation	SSPC-SP13 / NACE 6, Clean & Dry
Primer ¹	Series 256 or 257 ExcellaThane at 250 sq ft/gal
Base Coat ¹	Series 256 or 257 ExcellaThane (pigmented) <u>broadcast to refusal</u> with N224-Part C Decorative Flake at 160 sq ft/gal
Base Coat (Optional) ¹	Series 256 or 257 ExcellaThane (clear) <u>broadcast to refusal</u> with N224-Part C Decorative Flake at 160 sq ft/gal
Grout Coat ¹	Series 256 or 257 ExcellaThane (clear) at 100 - 200 sq ft/gal
Finish Coat ¹	Series 256 or 257 ExcellaThane at 100 - 200 sq ft/gal
Optional Cove Base	Series 256 or 257 ExcellaThane mixed with aggregate to form cove mortar at 4" rolled radius or 1" cant cove

¹ Select Primer, Base Coat(s), Grout Coat, and Finish Coat based on the desired attributes.

URETHANE CEMENT FLOORING SYSTEM

System Type	Strata-Crete HS-HT (FSEPD7)
Surface Preparation	SSPC-SP13 / NACE 6, Clean & Dry
Base Coat	Series N242 Ultra-Tread S (<u>broadcast to refusal</u> with silica sand) at 36 sq ft/gal
Grout Coat	Series N222 Deco-Tread (pigmented) at 250 sq ft/gal
Finish Coat ¹	Series 247 or 248 EverThane (pigmented) at 480 - 730 sq ft/gal
Optional Cove Base	Series N222 Deco-Tread mixed with aggregate to form cove mortar at 4" rolled radius or 1" cant cove

¹ Select Finish Coat based on the desired attributes and sheen.

Carefully review product data sheets, along with related application guides, at www.tnemec.com. Systems outlined in this guide meet LEED v4, v4.1, and v5 Low-Emitting Materials. In addition, all coatings have been CDPH v1.2-2017 emissions tested and also have a published Environmental Product Declaration available. Review the coating system(s) with a Tnemec Representative prior to final selection. For more information visit www.tnemec.com/sustainability.

TNMEC COATINGS SELECTION GUIDE

Series N222 Deco-Tread®

Modified Polyamine Epoxy

A low ambering, multi-purpose epoxy coating with enhanced UV stability and resistance to yellowing. Series N222 can be used as a primer, broadcast, slurry/broadcast, mortar, grout coat, metallic color coat, and topcoat. It provides excellent application properties with good flow and self-leveling characteristics. It protects concrete surfaces from impact and abrasion and has excellent chemical resistance with an aesthetically pleasing appearance.

Series N224 Deco-Fleck®

Decorative Flake-Filled Modified Polyamine Epoxy

A low ambering, customized decorative floor topping utilizing colored flake, broadcast either at random or refusal. Protects against abrasion and mild chemicals with an aesthetically pleasing speckled appearance.

Series N242 Ultra-Tread S®

Polyurethane Modified Concrete

A low odor, slurry applied, flowable mortar floor topping designed for monolithic applications in abusive service areas. Provides superior performance to other flooring systems such as acid brick, quarry tile and most polymer flooring systems. Designed for use in food and beverage facilities, pharmaceutical and processing areas, commercial and restaurant kitchens or anywhere a durable floor topping is required. Provides excellent chemical resistance and withstands thermal shock due to hot liquids and aggressive cleaning procedures. Areas may be quickly returned to service within hours of installation, depending on temperature and humidity. Series N242 is a self-priming base coat that can be applied to 10-day-old concrete. It can withstand moisture vapor transmission up to 20 lbs (per ASTM F 1869) and relative humidity up to 99% (per ASTM F 2170).

Series 247 or 248 EverThane®

Aliphatic Moisture Cured Urethane

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.

Series 256 ExcellaThane®

Modified Aliphatic Polyaspartic

An extremely fast-curing, multi-purpose and finish coat resin with low temperature cure capability. Used to build aggregate, colored quartz or decorative flake filled floor topping systems. Can also be used as a clear or pigmented finish coat over systems built using Series 256 or systems built using epoxy, or polyurethane modified concrete floor toppings that have been fully broadcast with aggregate, colored quartz or colored flake. Provides protection against impact, abrasion and mild chemicals, has excellent gloss and color retention, and resistance to yellowing. This low VOC, 100% solids urethane exhibits low odor characteristics allowing for use near occupied spaces.

Series 257 ExcellaThane SS®

Modified Aliphatic Polyaspartic

A slower setting Polyaspartic floor coating, offering longer working time and lower viscosity. Minimizes the potential for lap marks and roller lines when used in large flooring applications. Can be used as a two coat thin-film system or as a clear or pigmented finish coat over systems built using epoxy or polyurethane modified concrete floor toppings that have been fully broadcast with aggregate, colored quartz or colored flake. Series 257 will provide protection against impact, abrasion and mild chemicals, has excellent gloss and color retention, and resistance to yellowing. This low VOC, 100% solids urethane exhibits low odor characteristics allowing for use near occupied spaces.