StrataShield

PRODUCT DATA SHEET

ULTRA-TREAD® M SERIES 244

PRODUCT PROFILE

GENERIC DESCRIPTION Polyurethane Modified Concrete

COMMON USAGE Ultra-Tread M is a low odor mortar applied floor topping designed for monolithic applications in abusive service areas. It provides superior performance to other flooring systems such as acid brick, quarry tile and most polymer flooring systems. Designed specifically for use in food and beverage facilities, pharmaceutical processing areas, commercial and restaurant kitchens or anywhere a durable floor topping is required. Resists chemicals, organic acids from food 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.

COLORS 00GR Gray, 00RD Red. Aromatic urethanes chalk and yellow with age, extended exposure to UV and artificial lighting.

FINISH Matte

COATING SYSTEM

PRIMERS Self-priming

SURFACER/FILLER/PATCHER Series 214, 218, 219, 243, 244

SURFACE PREPARATION

Prepare surfaces by method suitable for exposure and service.

CONCRETE Allow new concrete to cure a minimum of 14 days. Abrasive blast or mechanically abrade to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide surface profile (Reference SSPC-SP13/NACE 6, ICRI CSP5-9). Large voids, bugholes and other cavities should be filled with recommended filler or surfacer. All termination points, including perimeters and edges, will require sawcuts to provide keyway anchors. Ultra-Tread M is a breathable product and may be installed in areas where high rates of moisture vapor transmission would prevent the use of non-breathing flooring systems. Consult with your Tnemec representative or Tnemec Technical Service if moisture vapor transmission exceeds 8.0 lbs per 1,000 sq ft per ASTM F 1869. **Caution: Application of topcoats over Series 244 will affect the breathability of this flooring product.** Contact Tnemec Technical Service for additional information.

ALL SURFACES Must be clean, dry and free of oil, grease and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS 95% ± 2.0%

RECOMMENDED DFT Suggested 1/4" (minimum of 3/16", maximum of 1/2")

CURING TIME

Temperature	Light Traffic	Place in Service †
75°F (24°C)	8 hours	12 hours

Curing time varies with surface temperature, air movement, humidity and film thickness.
† For full resistance to chemicals and steam cleaning, 24 hour cure is needed.

THEORETICAL COVERAGE 19.7 sq ft per small kit at 1/4"

NUMBER OF COMPONENTS Four—Liquids: Part A & Part B, Aggregate: Part C, Colorant

PACKAGING

	PART A	PART B	PART C (Aggregate)	PART D (Colorant)	Mixed Yield
Small Kit	1-1 gallon can (partially filled)	1- 1/2 gallon jug	1-50 lb. box	1 unit	3.24 gal.

NET WEIGHT PER GALLON 18.34 ± 0.25 lbs (8.32 ± .11 kg) (mixed)

STORAGE TEMPERATURE Minimum 35°F (2°C) Maximum 110°F (43°C)
Material should be stored at temperatures between 70°F and 90°F (21°C and 32°C) for at least 48 hours prior to use.

TEMPERATURE RESISTANCE Continuous 235°F (112°C)

SHELF LIFE Part A: 12 months Part B: 6 months Part C: 6 months

FLASH POINT - SETA N/A

HEALTH & SAFETY This product contains 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.

ULTRA-TREAD® M | SERIES 244

APPLICATION

COVERAGE RATES

Before commencing, obtain and thoroughly read the StrataShield Application Guide for Polyurethane Modified Concrete.

GUIDE:

	Small Kit
At 1/4" (6.4 mm)	20 sq ft (1.8 m²)

Application below minimum or above maximum recommended thicknesses may adversely affect performance. Above rates are based on theoretical coverage. Actual coverage will vary based on condition of substrate.

MIXING

Using a mortar mixer or variable speed drill and mixing paddle, slowly mix the entire contents of both the A and B components for a minimum of two minutes. **Note:** Part B is moisture sensitive. Do not open until ready to mix. While under agitation, slowly add Part D colorant and mix until blended. Continuing agitation, slowly add the Part C aggregate and mix until thoroughly blended. **Note:** Material will set up quickly if not applied immediately after mixing.
Caution: Do not attempt to split kits and do not reseal mixed material.

THINNING

DO NOT THIN

POT LIFE

15 minutes at 75°F (24°C)
Higher material temperatures will significantly reduce the pot life and working time.

APPLICATION EQUIPMENT

Mortar: Screed and trowel
Finish: Loop roller
Note: For detailed instructions, refer to the StrataShield Application Guide for Polyurethane Modified Concrete.

SURFACE TEMPERATURE

Minimum of 40°F (4°C), optimum 65°F to 80°F (18°C to 27°C), maximum of 85°F (29°C). The substrate temperature should be at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.

MATERIAL TEMPERATURE

For optimum application, handling and performance, the material temperature during application should be between 60°F and 80°F (16°C and 27°C). Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability. Warm temperatures will decrease viscosity and significantly shorten pot life and working time.

AMBIENT HUMIDITY

Humidity must be below 85%.

CLEANUP

Flush and clean all equipment immediately after use with xylene or MEK.