

DESCRIPTION

TuffRez 206, a two-component, highly durable non-skid coating, provides a high profile texture to help prevent slips and to provide traction for sloped areas. It can be applied to steel, aluminum, concrete and wood.

TYPICAL APPLICATION

• One Coat	TuffRez 206 @ 45–65 mils
• Options	PolySpec or TuffRez Epoxy Primer @ 5–7 mils Anti-Microbial Formulation Upgrade (TuffRez 206-AM)

PERFORMANCE DATA

Compressive Strength (ASTM C-579)	15,000 psi
Tensile Strength (ASTM D-638)	3,500 psi
Flexural Strength (ASTM C-580)	4,000 psi
Hardness, Shore D (ASTM D-2240)	85–90
Bond Strength (ASTM D-4541)	425 psi
Abrasion Resistance (ASTM D-4060)	50 mg
Coefficient of Friction	Dry: 0.98 / Wet: 0.93
VOC	1.0 lb/gal; 115 gm/L
Volume Solids	94.5%

STORAGE & INSTALLATION

Storage Environment	Dry area, 65–80°F
Application Temperature, ambient	50–95°F
Application Temperature, substrate	Minimum 5°F above dew point
Shelf Life	1 year
Pot Life, @ 77°F	15 minutes
Foot Traffic, @ 77°F	10 hours
Full Service, @ 77°F	24 hours

Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

CONSIDERATIONS & LIMITATIONS

1. Material is rigid and therefore not suited to substrates subject to pronounced movement or flex.
2. Floors should be sloped to drain to prevent standing water or chemicals. As with any surface, all spills should be removed as soon as possible to prevent a slipping hazard.
3. Do not thin with solvents unless advised to do so by PolySpec.
4. Confirm product performance in specific chemical environment prior to use.
5. Prepare substrate according to “Surface Preparation” portion of this document.
6. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab.
7. Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
8. For industrial/commercial use. Installation by trained personnel only.

TuffRez[®] 206

TECHNICAL DATA SHEET

Epoxy Coating, Non-Skid

BENEFITS

- Protects against slipping in wet environments and on sloped surfaces
- Unaffected by most heavy load vehicles and industrial traffic
- Rapid cure for fast turnaround applications
- No broadcasting required; silica free

RECOMMENDED USES

- Offshore platforms
- Ship decks
- Aircraft landing areas
- Chemical processing plants
- Food & beverage plants
- Breweries
- Laboratories
- Forklift ramps

GENERIC DESCRIPTION

Epoxy Hybrid

STANDARD COLORS

Charcoal, Traffic Yellow, Tile Red

Additional colors available upon request. Non-stocking colors may be subject to additional lead time, minimum order requirements, and a slight premium.

PACKAGING

2.5-Gallon Unit

COVERAGE

25–35 ft² / gallon @ 45–65 mils

SURFACE PREPARATION

Concrete: Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- *New concrete should be cured a minimum of 28 days.*
- *Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.*
- *Remove any laitance or weak surface layers.*
- *Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.*
- *Surface profile shall be CSP-3 to CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.*
- *Moisture vapor transmission should be 3 pounds or less per 1,000 square feet over a 24 hour time period, as confirmed through a calcium chloride test, as per ASTM E-1907. Quantitative relative humidity (RH) testing, ASTM F-2170, should confirm concrete RH results <75%.*
- *All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.*
- *Outgassing may occur due to the porosity of some concrete surfaces. To reduce the effect of outgassing, the primer and coating should be applied when the temperature of the concrete substrate is dropping. This usually occurs in the evening; however, the concrete substrate temperature should be measured with a surface thermometer for verification. Double priming will greatly reduce the effects of outgassing by additionally filling the pores in the concrete.*

Steel: For steel surfaces, a “Near White Metal” ultra high-pressure wash or abrasive blast with anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-10 or NACE No. 2 is required.

Refer to PolySpec Surface Preparation Guidelines for more details.

INSTALLATION STEPS

1. TuffRez 206 will have excellent adhesion on most surfaces without the use of a primer. Where a primer is necessary, prime surface with a PolySpec or TuffRez Primer for epoxies on concrete or steel surfaces. See data sheet for application details.
2. Component A Resin should be premixed prior to using due to possible separation that may occur during transportation and storage.
3. Scrape contents of Component B Hardener into Component A Resin and mix well with a mechanical jiffy-type mixer operated at low speed. Scrape the side of the pail to ensure the entire product has been properly mixed; any unmixed material left on the side of the pail will not cure.
NOTE: Do not turn the pail upside down and allow to drain onto substrate.
4. Apply to surface by trowel, and immediately roll with a phenolic core roller to achieve high profile non-skid texture. Back-roll for consistent appearance.
NOTE: Do not over-roll.
NOTE: A short nap roller may be used (in lieu of phenolic core roller) to achieve a light to medium texture.
5. For best results, clean tools and equipment with PolySpec® All Purpose Cleaner, a nonflammable and non-evaporating cleaner. Always wear gloves when using this product.

C-R:H / DOC TR206-TDS

Rev 03/05

TuffRez and PolySpec are ® Registered Trademarks of PolySpec L.P.

© Copyright 2005 PolySpec L.P. All rights reserved. Published technical data and instructions are subject to change without notice. Please visit the online catalog at www.polyspec.com for the most current technical data and instructions. Or, you may contact your PolySpec representative for current technical data and instructions.

PolySpec, L.P. warrants its products to be free from defects in material and workmanship. PolySpec's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at PolySpec's option, to either replacement of products not conforming to this warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to PolySpec in writing within five days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PolySpec of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

PolySpec makes no other warranties concerning this product. No other warranties, either expressed or implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall PolySpec be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by PolySpec, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results. PolySpec cannot guarantee that color will conform to sample, if provided.