



TECHNICAL DATASHEET – FNEC® 2515 NON SKID

Revised: 4/2017

DESCRIPTION

Thiokol® FNEC 2515 Non Skid, a two-component, flexible 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	Thiokol® FNEC 2515 Non Skid @ 45-65 mils
OPTIONS	PolySpec or TuffRez Epoxy Primer @ 5-7 mils

PERFORMANCE DATA

TENSILE STRENGTH (ASTM D - 638)	700 psi
FLEXURAL STRENGTH (ASTM C - 580)	2400 psi
HARDNESS, SHORE D (ASTM D - 2240)	40-45
BOND STRENGTH (ASTM D - 4541)	425 psi
ABRASION RESISTANCE (ASTM D - 4060)	50 mg
OPERATING TEMPERATURE, MAXIMUM, DRY: WET:	150°F Dependent on chemical exposure
COEFFICIENT OF FRICTION	Dry: 0.98 / Wet: 0.93
VOC	<0.1 lb/gal; <10gm/L
VOLUME SOLIDS	99.8%

BENEFITS

- Protects against slipping in wet environments and on sloped surfaces
- High impact resistance
- Unaffected by most heavy load vehicles and industrial traffic
- Easy application 1:1 mix ratio
- No broadcasting required; silica free

RECOMMENDED USES

- Offshore platforms
- Ship decks
- Chemical processing plants
- Breweries
- Laboratories
- Forklift ramps

GENERIC DESCRIPTION:

Polysulfide-Modified Novolac Epoxy

STANDARD COLORS:

Charcoal Gray

PACKAGING:

4-Gallon Unit

MIX RATIO:

1R: 1H

COVERAGE:

25-35 ft² / gallon @ 45-65 mils

FNEC® 2515 NON SKID
FLEXIBLE NOVOLAC EPOXY COATING, NON SKID

STORAGE & INSTALLATION

STORAGE ENVIRONMENT	Dry area, 65-80°F		
APPLICATION TEMPERATURE, AMBIENT	50-95°F		
APPLICATION TEMPERATURE, SUBSTRATE	Minimum 5° above dew point		
SHELF LIFE	1 year		
POT LIFE, @ 77°F	30 minutes		
FOOT TRAFFIC, @ 77°F	12 hours		
FULL SERVICE, @ 77°F	48 hours		

SURFACE TEMPERATURE

	60 - 69°F	70 - 89°F	90°F
RECOAT (MIN)	36 -16 hours	20 -12 hours	6 - 8 hours
RECOAT (MAX)	4 days	72 hours	48 hours

CONSIDERATIONS & LIMITATIONS

- 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.
- Do not thin with solvents unless advised to do so by ITW Engineered Polymers.
- Confirm product performance in specific chemical environment prior to use.
- Prepare substrate according to "Surface Preparation" portion of this document.
- Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab.
- 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.
- For industrial/commercial use. Installation by trained personnel only.

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 immersion service, "White Metal" abrasive blast with an anchor profile of 2-4 mils in accordance with Steel Structures Painting Council Specification SP-5-63 or NACE No. 1 is required. For splash and spillage exposure, "Near White" SP-10-63 or NACE No. 2 is required.

Refer to PolySpec Surface Preparation Guidelines for more details.

INSTALLATION STEPS

- Thiokol FNEC 2515 Non Skid 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.
- Component A Resin and B Hardener should be premixed separately prior to using due to possible separation that may occur during transportation and storage.
- Scrape contents of Component A Resin into Component B hardener 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; and 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.
- Apply to surface by trowel or squeegee, and immediately pull out with a phenolic core roller to achieve high profile non-skid texture. Pull material in one direction for uniform 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.
- Always wear gloves when using this product.

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