



TECHNICAL DATASHEET – FNEC® 2515 NON-SKID

Revised: 6/2019

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 100EX Primer @ 5-7 mils (concrete) / American Safety MS 11CZ LT Primer @ 4-6 mils (steel)

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:	160°F Dependent on chemical exposure
COEFFICIENT OF FRICTION	Dry: 0.98 / Wet: 0.93
VOC	<0.1 lb/gal; <10gm/L
VOLUME SOLIDS	100%

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	2 year
POT LIFE, @ 77°F	20 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)	32 hours	16 hours	6 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 Polymers Sealants North America, Inc..
- Confirm product performance in specific chemical environment prior to use.
- Prepare substrate according to "Surface Preparation" portion of this document.
- For industrial/commercial use. Installation by trained personnel only.
- Always use protective personal equipment (PPE) when handling this product. Protective clothing, gloves, and goggles are always recommended, see the product SDS documents for further PPE recommendations.

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 emission 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 American Safety 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 a minimum of 3-4 minutes 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: Over-rolling could result in a lower Coefficient of Friction stated in the product Performance Data.

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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