

## DESCRIPTION

PolySpec® N-SKID is a high solids, epoxy hybrid, non-skid coating system that offers superior wear performance and safety features. It is a two-component high durability system designed to provide anti-skid protection on steel and concrete. PolySpec® N-SKID is generally used over PolySpec® TITE M-50 anti-corrosion primer.

## TYPICAL APPLICATION

• Primer	PolySpec® TITE M-50 (steel) or PolySpec® 300EX (concrete) @ 3-5 mils
• Body Coat	PolySpec® N-SKID @ 60 mils

## PERFORMANCE DATA

Coefficient of Friction .....	0.98 (Dry)
.....	0.93 (Wet)
Adhesive to Steel .....	434 psi
Abrasion .....	0.017 gm <sup>2</sup> loss
Flexural .....	4,890 psi
VOC .....	1.1 lbs/gal (140grams/liter)
Flexural .....	4,890 psi
Flexural .....	4,890 psi

## STORAGE & INSTALLATION

Storage Environment .....	Dry area, 65–80°F
Application Temperature, ambient .....	50–85°F
Application Temperature, substrate .....	Minimum 5°F above dew point
Service Temperature .....	Maximum 150°F
Shelf Life .....	12 months
Pot Life, @ 70°F .....	2 hours
Foot Traffic, @ 70°F .....	24 hours
Full Service, @ 70°F .....	96 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. 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.
2. Do not thin with solvents unless advised to do so by PolySpec.
3. Confirm product performance in specific chemical environment prior to use.
4. Prepare substrate according to "Surface Preparation" portion of this document.
5. Refer to N-SKID application Instruction Document for official Application Procedure.
6. 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.
7. For industrial/commercial use. Installation by trained personnel only.

# PolySpec® N-SKID

## TECHNICAL DATA SHEET

# Non-Skid Epoxy Traffic Deck

## BENEFITS

- Protects against corrosion and slipping in adverse weather conditions
- Effective performance in repeated aircraft landings
- Non-porous resin/matrix provides long-term protection
- Low VOC, ultra high solids product, and contains no known carcinogenic chemicals
- Rapid cure for fast turnaround
- No broadcasting required; silica free
- Resists gasoline and lube oil spills, diesel fuel, hydraulic fluid
- Fire resistant- Passed U.S. Navy Tunnel Test

## RECOMMENDED USES

- Exterior decks on marine vessels
- Weather, hangar and flight decks
- Loading/unloading areas

## GENERIC DESCRIPTION

Epoxy Non-Skid Coating

## STANDARD COLORS

Charcoal Gray

## PACKAGING / COVERAGE

2.5 – Gallon Unit / 20-30 sq. ft @ 45-65 mils

## SURFACE PREPARATION

**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.

**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. **Primer:** Mix Part A Resin and Part B Curing Agent together. PolySpec® TITE M-50 primer (steel application) or PolySpec® 300EX (concrete application) should be applied directly to the clean metal deck or concrete surface by squeegee or roller and allowed to cure. Apply PolySpec® N-SKID to cured primer within 12 to 48 hours after application.
2. **PolySpec® N-SKID Body Coat:** Apply the body coat over the cured PolySpec® primer. The N-SKID body coat is prone to settling in the can and it is necessary to mix all of Part A Resin to a smooth, even consistency before adding Part B Curing Agent. Mix Part A slowly with a jiffy mixer until all particles are evenly distributed. Then add the premeasured Part B Curing Agent to Part A. Mix for approximately 2 to 3 minutes.

Apply body coat with a phenolic core roller to produce the desired profile. Pour a line of material across the deck and spread it evenly. Use a long extension handle on your roller. Then back roll it toward you once, pulling the material toward you. Use a moderate amount of pressure on the roller and roll in one direction only. Roll across welds not along them. **DO NOT OVERWORK THIS MATERIAL.** Rolling will result in a high profile, rough surface texture. When desiring a lower profile, use a flat trowel and then back roll with a short nap roller to an even consistency.

*Note: This is a one-coat application and does not normally require a top coat. Curing time to foot traffic is 24-48 hours depending on the temperature and humidity.*

PolySpec color topcoats are available as part of the system.

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