

DESCRIPTION

PolySpec® N-SKID-2515 is a 100% solids epoxy 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, aluminum, concrete and wood. PolySpec® N-SKID 2515 was specifically designed for application on flight decks of aircraft carriers to provide non-slip protection for aircraft and rolling equipment. PolySpec N-SKID 2515 is used over PolySpec® TITE M-50 (steel application), PolySpec 300EX (concrete application), or PolySpec® Marine Etching Primer (aluminum application) anti-corrosion primer.

TYPICAL APPLICATION

• Primer	TITE M-50 (Steel) PolySpec® 300EX (Concrete) PolySpec® Marine Etching Primer (Aluminum)
• Body Coat	PolySpec N-SKID

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. 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. 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.
6. For industrial/commercial use. Installation by trained personnel only.

PolySpec® N-SKID 2515

TECHNICAL DATA SHEET

Non-Skid Coating

BENEFITS

- 100% solids, zero VOC formulation
- Flexibility for better adhesion to malleable substrates
- High impact resistance
- Easy application – 1:1 mix ratio

RECOMMENDED USES

- Offshore platforms
- Ship decks
- Stair treads
- Aircraft landing areas
- Chemical processing plants

STANDARD COLORS

Gray, Charcoal

GENERIC DESCRIPTION

Epoxy Polysulfide Hybrid

PACKAGING / COVERAGE

Primer:

TITE M-50 (Steel) 1-Gallon Unit / 350 sq. ft

PolySpec® 300EX (Concrete)

1.5-Gallon Unit / 175 sq. ft/gal

PolySpec® Marine Etching Primer (Aluminum)

Body Coat:

2515 N-SKID

4-Gallon Unit / 25 -35 sq. ft/gal

SURFACE PREPARATION

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 Coat:**

TITE M-50: Prime steel surfaces with TITE M-50 Primer. See data sheet for application details.

PolySpec® 300EX: Prime concrete surfaces with PolySpec 300EX Primer. See data sheet for application details.

PolySpec® Marine Etching Primer: Prime aluminum surfaces with PolySpec® Marine Etching Primer. Mix Part A Resin and Part B Curing Agent together in a ratio of 4:1 (Part A : Part B). Apply three (3) thin coats of PolySpec® Marine Etching Primer to the deck by roller at 4–6 wet mils (2–3 dry mils) each. Allow 5–10 minutes between coats to allow solvents to flash. Apply PolySpec® N-SKID-2515 to the cured primer within 12 hours after application.

2. **PolySpec® N-SKID-2515 Body Coat:** Apply the body coat over the cured PolySpec® Marine Etching Primer. Because the N-SKID-2515 body coat is prone to settling in the can, Part A Resin and Part B Hardener must first be individually mixed to a smooth, even consistency. Once all particles have been evenly distributed in each of the individual components, blend Part B Curing agent with Part A at a ratio of 1:1 by volume. Mix for approximately 2–3 minutes.

Apply body coat with a short nap (1/4 inch or less) 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, pulling the material toward you. Use a moderate amount of pressure on the roller and roll in one direction only. **DO NOT OVERWORK THIS MATERIAL.** Rolling will result in a rough surface texture. When desiring a lower profile, use a flat trowel to knock down the texture.

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 can be used as part of the system for striping or UV Stability.

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