

TITAN® PRIMER MCU

100% SOLID EPOXY SYSTEM

Description Titan® Primer MCU is a two-part, 100% solid, epoxy designed to be used as a primer coat with Titan MCU®, product line.

Typical Applications

- Concrete reinforcement
- Steel reinforcement
- Wood piling reinforcement

Benefits

- Long pot life
- Long open time
- Easy to mix
- Tolerant of moisture before, during and after cure
- High strength, high modulus adhesive
- Excellent adhesion to concrete, masonry metals, wood and most structural materials
- Thixotropic properties are ideal for overhead applications
- High temperature resistance
- Solvent-free, VOC compliant

Coverage 140 ft²/gal

Thickness Primer: 5-10 mils

Mixing & Mix Ratio Power mix Part A, then combine with Part B and power mix. Do not mix partial kits. Resin to hardener 1.6:1 by volume.

Pot Life 90 minutes @ 75°F (24°C), less at higher temperatures

Limitations

- Application temperature shall be a minimum of 40°F (10°C) and maximum of 180°F (83°C)
- Service temperature -40° to 180°F (-40 to 83°C)

Related Products The following products are compatible with Titan-Primer MCU:

- Titan-MCU product line
- Titan-Top Coat (if required)

Properties	Property	Typical Test Value
	Mix Ratio	1.6:1
	Tensile Strength	6,057psi
	Tensile Modulus	328,822
	Elongation (%)	2.6%
	Glass Transition Temp (Tg)	140°F (60°C)

Design The Titan-MCU system was designed to conform to ACI 400.8-13, AC125, and ICC-ES. Consult NRI Engineering for specified use.

Surface Preparation Surface preparation shall be in accordance with ACI 546R, ICRI No. 310.1R-2008 and ACI 562-13 detail methods for the repair and surface preparation of concrete. Localized out-of-plane variations, including form lines, should not exceed 1/32" (1 mm). Substrate must be clean, sound, and free of surface moisture. Remove dust, laitance, grease, oils, curing compounds, waxes, impregnations, foreign particles, coatings and disintegrated materials by mechanical means (i.e. sandblasting). For best results, substrate should be dry. However, a saturated surface dry condition is acceptable.



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Cleanup and Safety For proper information regarding the safe handling, storage, and disposal of chemical products, users shall refer to the most recent SDS, latest revision, containing physical, ecological, toxicological, and other safety-related data.

Shelf Life 12 months

Storage Conditions Store in original, unopened containers, indoors at a max temp of 95°F (35°C).

Packaging

- Supplied in kits ranging from pints to gallons for the following coverages: 20ft² (1.8m²), 40ft² (3.7m²), 80ft² (7.4m²), 160ft² (14.8m²)
- Typically ships in 17" x 15" x 14" boxes (43cm x 38cm x 36cm)

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