

## DESCRIPTION

PolySpec TITE M-50 is a two-component epoxy maintenance primer, which cures to a hard, tough film with excellent corrosion resistance.

## TYPICAL APPLICATION

• Primer	PolySpec TITE M-50 @ 4–5 mils
• System	Various land- & marine-based systems offered by PolySpec

## PERFORMANCE DATA

Volume Solids ..... 81% ±2%

## 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, @ 75°F ..... 30 minutes  
Recoat Time, @ 77°F ..... 10–16 hours  
Full Cure, @ 77°F ..... 16–24 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. Do not thin with solvents unless advised to do so by PolySpec.
2. Confirm product performance in specific chemical environment prior to use.
3. Prepare substrate according to “Surface Preparation” portion of this document.
4. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab.
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® TITE M-50

## TECHNICAL DATA SHEET

### Anti-Corrosive Primer for Steel

## BENEFITS

- Fast-setting
- High solids content
- Anti-corrosive

## RECOMMENDED USES

- Corrosion protection
  - Structural steel
  - Equipment
- Steel primer for PolySpec land- and marine-based flooring/decking, coating, lining systems

## GENERIC DESCRIPTION

Primer

## STANDARD COLORS

Light Gray

## PACKAGING

1-Gallon Unit

## COVERAGE

350 ft<sup>2</sup>/gallon @ 4–5 mils

## SURFACE PREPARATION

**Steel:** Prepare metal surface by removing oil or grease with clean rags soaked in an approved degreaser in accordance with SSPC-SP-1.

Mechanically abrade with metal surfaces with a needle gun or blast to a commercial grade finish in accordance with SSPC-SP-6 to a degree of cleanliness in order to obtain a 1–2 blast profile.

*For more details...*

**Marine applications:** Refer to PolySpec Guideline for Subfloor Preparation.

**Land applications:** Refer to PolySpec Surface Preparation Guidelines.

## INSTALLATION STEPS

1. Pour Component B Hardener into the Component A Resin pail and mix thoroughly for 1–2 minutes, using a mechanical jiffy-type mixer operated at low speed.
2. Apply resin/hardener mixture using a medium bristle brush or a good quality short nap roller.  
*NOTE: Advise excessive brushing/rolling.*
3. Allow to dry before application of next product.
4. For best results, clean tools and equipment with PolySpec® All Purpose Cleaner, a nonflammable and non-evaporating cleaner. Always wear gloves when using this product.

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