

DESCRIPTION

PolySpec 310 primer is used on blasted steel surfaces prior to application of FlakeRez and PermaRez coatings and lining systems.

TYPICAL APPLICATION

• Primer	PolySpec 310 @ 250–350 ft ² /gallon
• Overcoat	Flooring or Lining System from PolySpec

PERFORMANCE DATA

Tensile Strength (ASTM D-412).....	10,000 psi
Elongation (ASTM D-638).....	10–12%
Hardness, Barcol.....	30

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, PROVIDED STORAGE ENVIRONMENT GUIDELINES ARE FOLLOWED.....	60 days
Pot Life, @ 77°F.....	25 minutes
Minimum Recoat, @ 77°F.....	6–8 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. Apply PolySpec 310 within eight (8) hours of the blasting operation to protect the blasted surface from rusting.
2. For best results, this product should be applied in a humidity and temperature-controlled environment.
3. Do not thin with solvents unless advised to do so by PolySpec.
4. Confirm product performance in specific chemical environment prior to use.
5. Prepare substrate according to “Surface Preparation” portion of this document.
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[®] 310

TECHNICAL DATA SHEET

Primer for Vinyl Esters & Polyesters on Steel

BENEFITS

- Provides flexible transition between steel substrate and lining system
 - Excellent surface adhesion to steel substrate
 - Excellent bond to subsequent lining systems
- Protects blasted steel surface from rust
- Contains no lead pigment

RECOMMENDED USES

- Used in conjunction with FlakeRez[®] and PermaRez[®] polyester or vinyl ester coatings & lining systems for steel

GENERIC DESCRIPTION

Primer

STANDARD COLORS

Amber

PACKAGING

1-Gallon Unit

COVERAGE

250–300 ft²/gallon @ 1–3 mils DFT

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.

Refer to PolySpec Surface Preparation Guidelines for more details.

INSTALLATION STEPS

NOTE: For best results, this product should be applied in a humidity and temperature-controlled environment.

NOTE: Apply PolySpec 310 within eight (8) hours of the blasting operation to protect the blasted surface from rusting.

1. Add 2 ounces of Hardener #1 per gallon of resin. Mix thoroughly using a mechanical jiffy-type mixer operated at low speed.
2. Apply by roller or spray.
3. After the prime coat is dry to the touch (usually 6–8 hours at 77°F), proceed to installation of FlakeRez® or PermaRez® coating/lining system.

NOTE: PolySpec 310 must be recoated within 72 hours. For longer waiting periods, wipe with styrene until surface becomes tacky. If surface remains hard, sandblasting is required.

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.

1galR : 2ozH / DOC PS310-TDS

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