

## DESCRIPTION

PolySpec 320 primer penetrates and seals concrete substrates prior to application of FlakeRez and PermaRez coatings and lining systems.

## TYPICAL APPLICATION

• Primer	PolySpec 320 @ 250 ft <sup>2</sup> /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. For best results, this product should be applied in a humidity and temperature-controlled environment.
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<sup>®</sup> 320

TECHNICAL DATA SHEET

## Primer for Vinyl Esters & Polyesters on Concrete

### BENEFITS

- Penetrates and seals concrete pores
- Provides excellent surface adhesion, penetration and bond to subsequent lining systems
- Contains no lead pigment

### RECOMMENDED USES

- Used in conjunction with FlakeRez<sup>®</sup> and PermaRez<sup>®</sup> polyester or vinyl ester coatings & lining systems for concrete

### GENERIC DESCRIPTION

Primer

### STANDARD COLORS

Clear

### PACKAGING

1-Gallon Unit

### COVERAGE

250 ft<sup>2</sup>/ gallon @ 3 mils DFT

## SURFACE PREPARATION

**Concrete:** Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- *New concrete should be cured a minimum of 28 days.*
- *Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.*
- *Remove any laitance or weak surface layers.*
- *Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.*
- *Surface profile shall be CSP-3 to CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.*
- *Moisture vapor transmission should be 3 pounds or less per 1,000 square feet over a 24 hour time period, as confirmed through a calcium chloride test, as per ASTM E-1907. Quantitative relative humidity (RH) testing, ASTM F-2170, should confirm concrete RH results <75%.*
- *All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.*
- *Outgassing may occur due to the porosity of some concrete surfaces. To reduce the effect of outgassing, the primer and coating should be applied when the temperature of the concrete substrate is dropping. This usually occurs in the evening; however, the concrete substrate temperature should be measured with a surface thermometer for verification. Double priming will greatly reduce the effects of outgassing by additionally filling the pores in the concrete.*

**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.*

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.

*NOTE: Work quickly! Pot life is short.*

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 320 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 PS320-TDS

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