

## DESCRIPTION

PolySpec 1757 is a flat finish polymer deck coating topcoat. This durable material withstands both wear from foot traffic and chemical attack. It cures to form a low gloss surface finish. PolySpec 1757 is on the Federal Governments qualified products list as a system component under MIL-D-3134 Type I, Class 2.

## TYPICAL APPLICATION

• Primer	PolySpec® TITE M-50 @ 4-5 mils
• Body Coat	PolySpec® 400/410 or PolySpec® Flex FR
• Top Coat	PolySpec® 1757 @ 5 mils DFT

## PERFORMANCE DATA

Tensile Strength (ASTM C-307)	1,200 psi
Flexural Strength (ASTM C-580)	3,500 psi
Hardness, Shore D (ASTM D-2240)	80
Bond Strength (ASTM D-4541)	950 psi
Abrasion Resistance (ASTM D-4060)	80 mg

## 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	12 months
Pot Life, @ 77°F	45 minutes
Foot Traffic, @ 77°F	12 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. Do not use partial units. Prolonged exposure of product in containers to air may cause loss of clarity.
2. Do not apply to wet or damp substrates.
3. Do not apply where ambient operating temperatures exceed 150°F or where application temperatures are below 40°F or above 95°F.
4. Work area must be well ventilated. Fresh air fed respirators are recommended when working with this product.
5. Do not thin with solvents unless advised to do so by PolySpec.
6. Confirm product performance in specific chemical environment prior to use.
7. Prepare substrate according to “Surface Preparation” portion of this document.
8. 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.
9. For industrial/commercial use. Installation by trained personnel only.

# PolySpec® 1757

## TECHNICAL DATA SHEET

### Flat Finish Epoxy Coating

## BENEFITS

- Flat finish for non-glare surface
- Seamless, monolithic application
- Withstands mechanical damage from foot traffic and rubber wheel vehicles
- Resists many acids, alkalies and salts

## RECOMMENDED USES

- Corridors
- Mess areas
- Kitchens
- Staterooms
- Infirmaries

## GENERIC DESCRIPTION

Epoxy

## STANDARD COLORS

Clear

## PACKAGING / COVERAGE

1-Gallon Unit / 320 sq. ft

## SURFACE PREPARATION

**Over Epoxy:** This product is designed to be a final topcoat over a prepared epoxy flooring system. The floor top should be clean and free of debris. If PolySpec 1757 is applied within recoat window of the substrate coating, floor should be solvent wiped prior to application and allowed to dry. If coating is applied as a re-seal over existing deck, the substrate coating should be physically abraded using 100-150 grit sandpaper to remove any ground-in debris and to provide an adequate surface profile to promote adhesion. Entire area should be cleaned and solvent wiped prior to topcoat application.

**Refer to PolySpec Surface Preparation Guidelines for more details.**

## INSTALLATION STEPS

1. *Note: For use as a topcoat over epoxy coatings, apply within 24 hours of epoxy installation. After 24 hours lightly sand the coating and wipe with solvent. Once solvent has flashed, proceed with application of PolySpec 1757.*
2. Premix Components A Resin and Component B Hardener before using.
3. Pour Component B Hardener into the Component A Resin pail and mix well with a mechanical jiffy-type mixer operated at low speed for 1 minute. Wipe the sides of the pail with a scraper. Mix or an additional 1 minute.
4. The coating will be tack-free within 12 hours at 75°F.
5. Apply by short nap roller to surface once material is uniform on the deck lightly cross roll to give a uniform texture and film.  
*Note: Make sure all roller lines are rolled out so a uniform texture and film can be achieved.*
6. 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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