

Alliance Specialty Products

High Performance Polymers

ASP 421LT

Clear Low Temperature Epoxy Binder/Coating

PRODUCT DATA SHEET

Product Description

ASP 421LT is a 100% solids, general use epoxy resin used as a binder and coating in both industrial and decorative flooring systems. ASP 421LT is specially formulated for low temperature applications allowing for a quicker recoat and return to service..

Product Features

- Clear, but can be pigmented.
- Contains no water or solvents.
- Odorless, allowing for use in occupied facilities.
- USDA approved for food handling facilities.
- Stain resistant, minimal maintenance finish.
- Makes a good binder in quality troweled floors.
- User friendly mix ratio with a moderate cure time.
- Positive cures at temperatures between 32° and 60° F.

Uses

- Locker Rooms
- Food Service
- Restrooms
- Industrial Facilities
- New or rehabilitated concrete

Coverage

- 200 square feet per gallon yields 8.0 mils DFT.
- Two coats are recommended for general use.

Installation Guide

-Preparation

- Surface must be properly prepared, consult ASP Concrete Preparation Bulletin for details.
- Surface must be primed with either ASP 321 Epoxy Primer or 421LT if conditions permit.
- Minimum application surface temperature is 32° F, preferred

40-60° F.

-Mixing

- Observe all precautions on the MSDS and label when using ASP products.
- Mix 4 parts resin, (part A), with 1 part hardener, (part B).
- Mix using a slow speed drill for at least 2 minutes.

-Application

- Apply with either a good quality, medium nap roller or a nylon or natural bristle brush.
- Consult ASP Product Selection Guide for more information.

-Cure

- Re-coat: 16 hours at 50° F, shorter times may affect gloss.
- Light human traffic: 8-12 hours.
- Full chemical cure: 5 days.

-Clean-Up

- Clean skin with soap and water.
- Use MEK or proprietary epoxy thinners for equipment.

Properties

Composition: Two component, amine adduct cured epoxy

Color: Clear

Gloss: 100
@ 60°

Weight/gal: 8.87lbs, mixed

Solids Content: 100%

Mix Ratio: 4A:1B by volume

Pot Life: 4 minutes at 70° F

Viscosity: ~950 cps, mixed

Tensile Strength: 8500 psi

Elongation: 5.5%

Adhesion to Concrete: 350 psi (concrete failure)

Hardness: 80 (Shore D)

Abrasion Resistance: 35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service

Service Temperature: 160° F (immersion)
180° F (dry heat)

Packing

| Unit | Part A | Part B |
|---------|----------|----------|
| 5 gal | 4 gal | 1 gal |
| 25 gal | 4x5 gal | 1x5 gal |
| 250 gal | 4x50 gal | 1x50 gal |

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Safety

- MSDS are available from ASP and should be consulted prior to use of this product.
- This product is intended for use by professionals only.
- Keep away from children and those not trained in the use of this product and the potential hazards.
- **ASP 421LT** is a two component epoxy system. Part A contains epoxy resin; part B contains amine epoxy adduct.
- Workers should wear gloves and goggles when mixing or applying product.
- Clean up with soap and warm water.
- Be sure to follow all label and MSDS cautions.

Warranty

ASP warrants its products to be free of defects and conform to manufacturing standards for a maximum period of one year. ASP will replace the product or refund the purchase price at ASP's discretion. Buyer expressly waives claim to additional damages. Any warranty claim must be made in writing no later than one year from the noncomplying product's purchasing date. No one, including, but not exclusively, distributors, representatives, or applicators, may make modifications to the product data or warranty or extend any form of oral warranty on behalf of ASP.

Important Notice

There are no other warranties by ASP of any nature whatsoever other than those printed herein, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Buyer agrees that seller assumes no liability for incidental or consequential damages of any kind from the use or misuse of the product. Preceding information is based on data collected by ASP and is believed to be accurate. The Buyer is responsible for making the decision as to the suitability of the product for a particular purpose.