

Alliance Specialty Products

High Performance Polymers

ASP 321LVP Low Viscosity Primer PRODUCT DATA SHEET

Product Description

ASP 321LVP is a moisture tolerant, 100% solids epoxy primer for use under epoxy flooring systems. **ASP 321LVP** is a low viscosity, low odor primer which can be used in the food service industry or in occupied areas. The material has excellent wetting qualities and good clarity, so it may be used under epoxy or urethane coating systems as well as epoxy topping systems. **ASP 321LVP** should be used primarily under coating systems.

Product Features

- Excellent wetting properties facilitate penetration into concrete
- Contains no water or solvents.
- Low odor and non-volatile, allowing use in occupied facilities.
- Low blush.
- Long open time.
- Ideal as primer under epoxy or urethane coatings.

Uses

- Primer under broadcast or decorative systems.
- Primer coat for thin mil coating.

Coverage

- 200 square feet per gallon yields ~8.0 mils DFT.

Installation Guide

-Preparation

- Surface must be properly prepared, consult ASP Concrete Preparation Bulletin for details.
- Minimum application surface temperature is 40° F, preferred 65-75° F.

-Mixing

- Observe all precautions on the MSDS and label when using ASP products.
- Premix individual components

thoroughly.

- Mix 3 parts resin, (part A), with 1 part hardener, (part B).
- Mix using a slow speed drill for at least 2 minutes.

-Application

- Mixed Primer may be poured onto concrete and distributed evenly using a squeegee.
- Cut in edges, door frames, and around machine legs with a brush.
- Back roll primer with a medium nap roller.
- Do not allow material to puddle
- If surface is rough or irregular, use a longer nap roller cover for more even coverage.

-Cure

- **ASP 321LVP** will 'tack' in 30-90 minutes.
- Topping may be applied immediately and must be installed before primer cures.
- Re-prime cured areas before installing toppings.
- Coatings should be applied after 5-6 hours at 70° F.

-Clean-Up

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

First Aid

-Inhalation

- Remove to fresh air; if breathing difficulty develops, call a physician.

-Eyes

- Flush with water for at least 15 minutes and call a physician.

-Skin

- Wash affected area thoroughly with soap and water.

-Ingestion

- DO NOT induce vomiting, call a physician. See MSDS for more details.

Properties

| | |
|--------------------------|---|
| Composition: | Two component, amine adduct cured epoxy |
| Color: | Clear, Amber |
| Gloss: @ 60° | 100 |
| Weight/gal: | 9.04lbs, mixed |
| Solids Content: | 100% |
| Mix Ratio: | 3A:1B by volume |
| Pot Life: | 25 minutes at 70° F |
| Viscosity: | ~250-350 cps, mixed |
| Tensile Strength: | 8500 psi |
| Elongation: | 5.5% |
| Adhesion to Concrete: | 350 psi (concrete fails) |
| Hardness: | 75 (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 |
|---------|----------|----------|
| 4 gal | 3 gal | 1 gal |
| 20 gal | 3x5 gal | 1x5 gal |
| 200 gal | 3x50 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 321LVP** 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.