

# Alliance Specialty Products

High Performance Polymers

## ASP 421GU

### Clear General Use Epoxy Binder/Coating

### PRODUCT DATA SHEET

#### **Product Description**

ASP 421GU is a 100% solids, general use epoxy resin used as a binder and coating in both industrial and decorative flooring systems. ASP 421GU creates a robust coating over concrete, wood, tile, or terrazzo surfaces, providing a moderate gloss, easy to clean, abrasion resistant finish.

#### **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.
- Faster cure ASP 421 available, contact ASP for more information.

#### **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 421GU if conditions permit.
- Minimum application surface

temperature is 50° F, preferred 65-75° 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 70° 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: 20 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 421GU** 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.