

# Alliance Specialty Products

High Performance Polymers

## ASP 221P-CR

### Chemical Resistant Pigmented Epoxy Coating

### PRODUCT DATA SHEET

#### **Product Description**

ASP 221P-CR is a 100% solids pigmented epoxy coating used as a top coating over industrial systems. ASP 221P-CR creates a robust top coating over concrete, wood, or tile surfaces. Due to its low permeability and superb abrasion resistance, it is ideal for chemical exposure and wet process flooring.

#### **Product Features**

- Excellent chemical resistance.
- First-rate color retention.
- Standard colors available.
- USDA approved for food handling facilities.

#### **Uses**

- Locker Rooms
- Food Service
- Restrooms
- Industrial Facilities
- Areas of chemical exposure

#### **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 properly primed.

##### **-Mixing**

- Observe all precautions on the MSDS and label when using ASP products.
- Mix 2 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.
- 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.

#### **Packing**

Unit	Part A	Part B
3 gal	1 x 2	1 x 1
15 gal	2 x 5	1 x 5
150 gal	2 x 50	1 x 50

#### **Properties**

Composition:	Two component, cycloaliphatic amine adduct cured epoxy
Color:	ASP Standard Colors
Gloss: @ 60°	100
Weight/gal:	8.87lbs, mixed
Solids Content:	100%
Mix Ratio:	2A:1B by volume
Pot Life:	20 minutes at 70° F
Viscosity:	~1000 cps, mixed
Tensile Strength:	7400 psi
Elongation:	2.5%
Adhesion to Concrete:	350 psi (concrete fails)
Hardness:	80 (Shore D)
Abrasion Resistance:	35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service
Service Temperature:	175° F(immersion) 225° F(dry heat)

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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 221P-CR** is a two component epoxy system. Part A contains epoxy resin; part B contains cycloaliphatic amine 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.