

Alliance Specialty Products

High Performance Polymers

ASP 221HCR High Chemical Resistance Coating PRODUCT DATA SHEET

Product Description

ASP 221HCR is a 100% solids epoxy resin used as a binder in both industrial and decorative flooring systems. ASP 221HCR creates an excellent clear coating over concrete, wood, tile, terrazzo, and other decorative floor systems. Due to its low permeability and superb abrasion resistance, it is ideal for chemical exposure and wet process flooring.

Product Features

- Very good chemical resistance.
- First-rate clarity and color retention.
- USDA approved for food handling facilities.

Uses

- Showers
- Kitchens
- Restrooms
- Industrial Facilities

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: Clear

Gloss: 100
@ 60°

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 221HCR** 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

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