

Alliance Specialty Products

High Performance Polymers

ASP 221DRB Decorative Rock Binder PRODUCT DATA SHEET

Product Description

ASP 221DRB is a clear epoxy resin system which, when combined with natural stone, forms a durable, decorative surface suitable for walkways, entrance ways, pool decks, driveways, or parking areas. This unique system works well in either interior or exterior applications. As an exterior pedestrian walkway, it offers the added safety of allowing water to pass freely through the surface, eliminating standing water. Decorative rock, stone, plastic, or an endless variety of filler materials makes this a versatile alternative.

Product Features

- 100% solids epoxy resin system.
- Wide variety of available filler materials.
- Good UV resistance.
- Three different temperature formulations:
 - Standard: 65-85° F
 - Low Temp: 40-65° F
 - Summer: 85-100° F

Uses

- Walkways
- Pool Decks
- Entrance ways
- Driveways

Coverage

- Depends on thickness and aggregate
- 150 lbs of 3/8" aggregate and 1 gallon will cover about 50 square feet at 1/2"
- Minimum thickness of 1/2"

Installation Guide

-Preparation

- Surface must be properly prepared, consult ASP Concrete Preparation Bulletin for details.
- Surface must be properly primed if needed.

-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.
- Charge stones to poly lined cement mixer and tumble.
- Add mixed epoxy to stones and mix an additional 3 minutes or until all the stones are coated evenly.

-Application

- Distribute mix to work area and rake to appropriate thickness.
- Compact with a finishing trowel.

-Cure

- Tack free in 8-12 hours at 70° F, shorter times may affect gloss.
- Human traffic: 16-24 hours.
- Full chemical cure: 3 days.

-Clean-Up

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

Properties

Composition:	Two component, cycloaliphatic amine adduct cured epoxy
Color:	Clear
Gloss: @ 60°	100
Weight/gal:	9.2lbs, mixed
Solids Content:	100%
Mix Ratio:	2A:1B by volume
Pot Life at 70° F	Std/Summer/Low 30min/40min/14min
Viscosity:	500-700 cps (LT) 2000-3500 (std & summer)
Tensile Strength:	7400 psi
Elongation:	~7%
Adhesion to Concrete:	350 psi (concrete fails)
Hardness:	80-85 (Shore D)
Abrasion Resistance:	35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service
Service Temperature:	160° F(immersion) 185° F(dry heat)

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

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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 221DRB** is a two component epoxy system. Part A contains epoxy resin; part B contains cycloaliphatic 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.