

Alliance Specialty Products

High Performance Polymers

ASP 121EM Elastomeric Membrane PRODUCT DATA SHEET

Product Description

ASP 121EM is a 100% solids, elastomeric membrane designed for coating above and below grade structures, between concrete slabs, or under tile, brick, or epoxy toppings.

Product Features

- Polyurethane performance without free isocyanates.
- Will cure in cold or damp environments.
- Contains no solvents
- Low odor, can be applied in occupied facilities.
- Does not contain asphalt or coal-tar.
- Does not become brittle with age.
- Excellent chemical and abrasive resistance.

Uses

- Showers
- Mechanical Equipment Rooms
- Parking Decks
- Balconies
- Secondary Containment

Coverage

- 64 square feet per gallon yields 25 mils DFT.
- Two coats are recommended for general use.

Installation Guide

-Preparation

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

-Mixing

- Observe all precautions on the MSDS and label when using ASP products.
- Mix 1 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.
- Two coats are recommended for a pinhole free membrane.
- Consult ASP Product Selection Guide for more information.

-Cure

- Re-coat: 12 hours at 70° F, shorter times may affect gloss.
- Light human traffic: 16 hours.
- Full chemical cure: 7 days.

-Clean-Up

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

Properties

Composition:	Two component, polyamine adduct cured epoxy
Color:	Standard
Gloss: @ 60°	100
Weight/gal:	8.87lbs, mixed
Solids Content:	100%
Mix Ratio:	1A:1B by volume
Pot Life:	40 minutes at 70° F
Viscosity:	~750 cps, mixed
Tensile Strength:	600 psi
Elongation:	230% at 75° F
Adhesion to Concrete:	350 psi (concrete fails)
Hardness:	35-40 (Shore D)
Abrasion Resistance:	35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service
Service Temperature:	-40° F to 200° F (air temperature)

Packing

Unit	Part A	Part B
2 gal	1 x 1	1 x 1
10 gal	1 x 5	1 x 5
100 gal	1 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 121EM** is a two component epoxy system. Part A contains epoxy resin; part B contains polyamine 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

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