

# Alliance Specialty Products

High Performance Polymers

## ASP 321N

### Clear Novalac Epoxy PRODUCT DATA SHEET

#### **Product Description**

ASP 321N is a 100% solids novalac epoxy used as a binder in industrial flooring applications. ASP 321N is designed for high heat and chemical exposure under extreme conditions.

#### **Product Features**

- Medium viscosity allows for trowel application.
- Rapid cure enables quicker recoat.
- Excellent heat resistance.

#### **Uses**

- Food processing
- Kitchens
- Containment areas
- Battery charging
- Paint shops

#### **Coverage**

- 160 square feet per gallon yields 10.0 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 3 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
4 gal	1 x 3	1 x 1
20 gal	3 x 5	1 x 5
200 gal	3 x 50	1 x 50

#### **Properties**

Composition: Two component, cycloaliphatic amine adduct cured novalac epoxy

Color: ASP Standard Colors

Gloss: 100  
@ 60°

Weight/gal: 8.87lbs, mixed

Solids Content: 100%

Mix Ratio: 3A: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: 85 (Shore D)

Abrasion Resistance: 35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service

Service Temperature: 200° F (immersion)  
350° 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 321N** 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.