

# Alliance Specialty Products

High Performance Polymers

## ASP 321CBA

### Concrete Bonding Adhesive Epoxy

### PRODUCT DATA SHEET

#### **Product Description**

ASP 321CBA is a 100% solids epoxy system for bonding fresh concrete to old concrete on non load bearing surfaces. ASP 321CBA is designed to provide the user with an extended pot-life and open time to ensure ease of application and maximal bonding. ASP 321CBA has sufficient viscosity for vertical and overhead application.

#### **Product Features**

- Contains no solvents.
- Long pot life, 1.5 hours at 70° F.
- long open time, 8-10 hours at 70° F.
- Usable overhead, vertical, and horizontal.
- High strength after 48 hours.

#### **Uses**

- Bonding old and new concrete in horizontal, vertical, and overhead applications.

#### **Coverage**

- 80-160 square feet per gallon at 10-20 mils depending on substrate profile.

#### **Installation Guide**

##### **-Preparation**

- Surface must be properly prepared, consult ASP Concrete Preparation Bulletin for details.
- Minimum application surface temperature is 40° F, preferred 65-75° F.

##### **-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 a medium nap roller.
- Do not allow material to puddle

- If surface is rough or irregular, use a longer nap roller cover for more even coverage.

##### **-Cure**

- ASP 321CBA has an open tack time of 5-10 hours.
- Concrete may be applied immediately for horizontal applications, but vertical and overhead application must be done during the open tack time.
- ASP 321CBA achieves high strength after 48 hours and full cure after 7 days.

##### **-Clean-Up**

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

#### **First Aid**

##### **-Inhalation**

- Remove to fresh air; if breathing difficulty develops, call a physician.

##### **-Eyes**

- Flush with water for at least 15 minutes and call a physician.

##### **-Skin**

- Wash affected area thoroughly with soap and water.

##### **-Ingestion**

- DO NOT induce vomiting, call a physician. See MSDS for more details.

#### **Properties**

Composition:	Two component, amine adduct cured epoxy
Color:	Clear, Amber
Gloss: @ 60°	100
Weight/gal:	9.13lbs, mixed
Solids Content:	100%
Mix Ratio:	3A:1B by volume
Pot Life:	90 minutes at 70° F
Viscosity:	~7500 cps, mixed
Tensile Strength:	8500 psi
Elongation:	5.5%
Adhesion to Concrete:	350 psi (concrete fails)
Hardness:	75 (Shore D)
Abrasion Resistance:	35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service
Service Temperature:	160° F (immersion) 180° F (dry heat)

#### **Packing**

Unit	Part A	Part B
4 gal	3 gal	1 gal
20 gal	3x5 gal	1x5 gal
200 gal	3x50gal	1x50 gal

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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 321CBA** is a two component epoxy system. Part A contains epoxy resin; part B contains 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.