

Alliance Specialty Products

High Performance Polymers

ASP 421 Terrazzo Floor Clear Epoxy Binder/Coating PRODUCT DATA SHEET

Product Description

ASP 421 Terrazzo is a 100% solids, decorative, pigmented, durable epoxy system. Mixed with a diverse selection of decorative aggregates, ASP 421 Terrazzo provides a wear resistant floor resulting in the lowest life cycle costing flooring system on the market.

Product Features

- Quick curing compared to conventional terrazzo.
- Less weight than conventional terrazzo, so it is more suitable for multi-story buildings.
- Lowest life-cycle costing floor on the market.
- Unlimited color and design combinations.

Uses

- Arenas
- Schools
- Hospitals
- Health Care Facilities

Coverage

- Coverage information not available at this time

Installation Guide

-Preparation

- Surface must be properly prepared, consult ASP Concrete Preparation Bulletin for details.
- Installation involves multiple steps including installation of divider strips, and priming; contact ASP for more details.
- Minimum application surface temperature is 50° F, preferred 65-75° F.

-Mixing

- Observe all precautions on the MSDS and label when using ASP products.
- Mix 4 parts resin, (part A), with 1

part hardener, (part B).

- Mix using a slow speed drill for at least 2 minutes.

-Application

- Trowel apply to the appropriate thickness, typically 1/4 to 3/8 nominal thickness.
- Consult ASP Product Selection Guide for more information.

-Cure

- 18-24 hours before grinding

-Clean-Up

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

Properties

Composition: Two component, amine adduct cured epoxy

Color: Clear

Gloss: 100
@ 60°

Weight/gal: 8.87lbs, mixed

Solids 100%

Content:

Mix Ratio: 4A:1B by volume

Pot Life: 20 minutes at 70° F

Viscosity: ~950 cps, mixed

Tensile Strength: 2500 psi

Compressive Strength: 10000 psi

Elongation: 5.5%

Adhesion to Concrete: 350 psi (concrete fails)

Hardness: 70-85 (Shore D)

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

Service Temperature: 160° F (immersion)
180° F (dry heat)

Chemical Resistance

Reagent	Rating
5% Acetic Acid	O
Acetone	O
Bleach	O
30% Citric Acid	R
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	O
Gasoline	R
15% Hydrochloric Acid	R
15% Lactic Acid	R
Methyl Ethyl Ketone	O
10% Nitric Acid	R
Skydrol	R
50% Sodium Hydroxide	R
20% Sulfuric Acid	R
Toluene	O
Urea	R
Vinegar	O
Xylene	O

O – Occasional spills

R – Recommended for continuous service

Packing

Unit	Part A	Part B	Weight
1.25gal	1gal	1 quart	12lbs
5gal	4gal	1gal	48lbs
25gal	4x5gal	1x5gal	240lbs
275gal	4x55gal	1x55gal	2640lbs

*note: packing information is for epoxy only, aggregates are not included.

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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 421 Terrazzo** 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 conform to its manufacturing standards. ASP will replace or refund the purchase price or non-conforming products at the seller's option; such remedy being exclusive of all others and the sole remedy available to the buyer. Buyer expressly waives claim to additional damages. Any claim under this warranty must be made in writing within 7 days of discovery of noncompliance and no later than one year of deliver of the product. No representative, distributor or applicator is authorized to modify the product data or warranty.

Important Notice

These products are sold subject only to the preceding, express warranties. There are no other warranties by ASP of any nature whatsoever, 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 remote or consequential damages of any kind which result from the use or misuse of the product. Preceding information is based on data believed to be reliable, however, it is the Buyer's responsibility to be satisfied as to the suitability of the product for a particular purpose.