

Alliance Specialty Products

High Performance Polymers

ASP 124VTS Vapor Transmission System PRODUCT DATA SHEET

Product Description

ASP 124VTS, Vapor Transmission System, is the latest evolution in water based epoxy technology which allows for the migration of moisture vapors through the installed surface. The combination of epoxy liquids and graded aggregates means the system can be installed as a 1/16"-1/8" slurry or as a conventional 1/4" troweled system. The system is breathable, thus enabling moisture vapor to equalize and pass through the installed system. The Vapor Transmission System can be applied over 5 day old concrete and has 0 VOC.

Product Features and Uses

- Odorless, high solids, 0 VOC.
- Breathable system, allows vapor to equalize.
- Good chemical resistance.
- Easy to install – water cleanup.
- Can be applied to damp or 5 day old concrete.
- Can be used as a vapor protection primer coating.
 - Concrete must be properly prepared and surface temperature must be above 65° F. Area must have good air flow and ventilation to allow for proper hydration and cure.

Important Notes

- Do not thin 124VTS or add solvents of any kind.
- Moisture vapor testing should be used for any slab on grade.
- Proper precautions for drainage and vapor barrier installation should be taken.
- Check for vapor using calcium chloride tests or portable moisture meters.
- ASP 124VTS will allow for the installation of impermeable toppings and coatings.

Coverage

- Depends on system used.

Installation Guide

-Preparation

- Surface must be properly primed.

-Mixing

- Observe all precautions on the MSDS and label when using ASP products.
- Mix 1 parts resin, (part A), with 4 part hardener, (part B).
- Mix using a medium speed, heavy duty drill for at least 4 minutes.
- Add up to 40 pounds of blended ASP trowel filler for troweled floor.

-Application PRIMER COATING

- Spread at a rate of 20mils, or 80 square feet per gallon.
- Lightly roll but be careful not to overwork coating.
- Allow to cure for 6-8 hours at 70° F.
- Spread a second coat at 10mils, or 150 square feet per gallon.
- Allow primer coating to cure for 24-48 hours before installing top system.

-Application SELF LEVELING

- Properly blended resin can be mixed with ASP self leveling aggregate blend and spread at 1/16" using a pin rake.
- Roll gently with a porcupine roller to release air bubbles
- Broadcast wet floor to excess with 30-40 mesh dry silica.

-Application TROWELED

- Apply coat of properly mixed resin to clean concrete at 8-10 mils and back roll to insure good coverage.
- Spread properly mixed liquids and trowel mix onto wet primer and finish using a steel trowel to 1/4" thickness.
- Additional flooring systems may be applied after VTS has cured for 24-48 hours.

-Cure

- Re-coat: 2 hours at 70° F
- Human traffic: 4-6 hours.
- Cure: 24-48 hours.

-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:	Off white or medium grey
Gloss: @ 60°	100
Weight/gal:	8.87lbs, mixed
Compressive Strength @7days	6000
Mix Ratio:	1A:4B by volume
Pot Life:	20 minutes at 70° F
Viscosity:	~1000 cps, mixed
Tensile Strength:	1600 psi
Elongation:	2.5%
Adhesion to Concrete:	350 psi (concrete fails)
Hardness:	80 (Shore D)
Abrasion Resistance:	35-40mg loss -CS-17 wheel, 1kg load, 1000 cycles Service
Service Temperature:	175° F(immersion) 225° 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 124VTS** is a two component epoxy system. Part A contains epoxy resin; part B contains 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

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