



TECHNICAL DATA SHEET

Vertical Epoxy

PRODUCT DESCRIPTION

VERTICAL EPOXY is a solvent-free acrylic based primer for stem walls and other vertical surfaces. It provides superior adhesion to concrete or painted surfaces in order to apply decorative flakes. Stemcoat is a single component and easy to apply decorative flakes onto the stem walls or steps. VERTICAL EPOXY is uniform in color and resistant to fading or discoloration due to exposure to UV light. Stemcoat also provides excellent water resistance to decrease spalling, cracking and surface degradation. Top coat with Polyaspartic 85 Ultra for a glossy long lasting surface.

APPLICATIONS

For use over concrete.

CONCRETE PREPARATION

Surfaces to be sealed must be clean, dry, and free of oil, stains and silicone compounds. Do not apply VERTICAL EPOXY until all traces of curing compounds have been completely dissipated. Substrate to be coated must be moisture free. Dries to touch in 1 to 2 hours and may be opened to normal traffic after 24 hours, heavy traffic after 72 hours. Do not apply if air temperature and/ or temperature of substrate are less than 50 degrees F.

PRODUCT DATA

Volumetric Ratio	Single Component
Solids	51%(+/- 1%)
Coverage	100-200 sqft/gal.
Application Temperature	55°-90°F
Thinning	Not Required
Pot Life	3 min.
Working Time on Floor	5 min.
Cure Time	30 to 60 mins
Full Cure	2-3 days
Critical Re-Coat Time	NONE must screen
Shelf Life	12 months
USDA Food & Beverage	Meets Req.

ADVANTAGES

- Solvent Free
- Breathable
- Non-yellowing
- Zero VOC
- Flexible & Durable
- Applied Milky white Dries Clear
- Almost no odor
- Waterproofs and high Water Resistance
- Used on interior & exterior surfaces

PROPERTY

Water absorption (%)
Elongation (%)
Tensile Strength
Bond to Concrete
Hardness, Shore D
Abrasive resistance mg loss
(CS17 / 1000 cycles / 1000 g)

VALUE

0.07
200
3,800 psi
>500 psi (Substrate rupture)
62 - 68
31

REFERENCE

ASTM D 570
ASTM D 6
ASTM D 638
ASTM D 4541 (Concrete fails at this point)
ASTM D 2240
ASTM D 4060



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APPLICATION INSTRUCTIONS

VERTICAL EPOXY may be applied by a brush, roller, lamb's wool applicator or industrial sprayer. Avoid any excessive buildup or puddling of product.

TESTING

All surfaces are not the same. It is recommended that a sample area be done before the start of the project. The test should be done on-site, using the proposed method by the assigned applicator to insure proper adhesion and color. A sample area should also be done on any existing coatings to determine if any contaminants exist or if delaminating will occur.

PATCHING

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. Joint Filler (Crack Repair) and/or Rapid Mender to fill cracks and imperfections. After the materials are cured, diamond grind patch. If another patching material is used, contact a technical representative for a compatible and approved alternative.

MIXING

Equipment should be immediately cleaned with soap and water.

WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. GLACIER EPOXY SUPPLY recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. GLACIER EPOXY SUPPLY or its sales agents will not be responsible for injury incurred in a slip and fall accident.

Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

WARRANTY

GLACIER EPOXY SUPPLY products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.



MADE IN USA