

STEP 1

STONECOAT EPOXY BASE COAT

PRODUCT DESCRIPTION AND USE

STEP ONE EPOXY is a high solids, low odor material designed as a base coat for color chip flooring.

STEP ONE EPOXY is formulated with an unusually high pigment loading for excellent substrate hide in a one coat application. This allows the contractor to omit the normally used primer and saves a trip to the jobsite. STEP ONE EPOXY adheres tenaciously to damp or dry concrete and gives the contractor ample open time for broadcasting the color chips. The material is VOC compliant in California.

Chemical Composition

Modified Bisphenol A epoxy resin crosslinked with aliphatic amines.

Colors

Available in 14 standard colors.

Limitations

- Must be applied at 150-200 sq. ft. per gallon over profiled concrete to obtain adequate substrate hide.

TECHNICAL DATA

Physical and Performance Properties

Mixing Ratio, by Volume 1-1

Solids Content, by Weight 96%

Pot Life, 1 quart mass, 77°F 90 minutes

Pot Life is reduced by increasing temperature and/or mass

VOC 50 gms./liter

Adhesion to Damp Concrete (ASTM 451) 375 psi, concrete fails

Cure Time for recoating (77° F) 10 hours

GENERAL INFORMATION

Moisture Vapor Emissions Precautions

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system.

It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe

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testing to determine if excessive levels of vapor emissions are present before applying any coatings. PPC can supply moisture remediation products. Consult our technical service department. STONE COAT and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

Surface Preparation

Surface must be clean, sound, and have a minimum 5 mil profile to closely approximate the texture of 120 grit sandpaper. Surface may be damp but standing water must be removed. Surface must be profiled by diamond grinding or acid etching. If diamond grinding, remove residual dust by high pressure water or thoroughly vacuuming. If acid etching, a floor machine with a nylogrit brush must be used and the floor neutralized with ammonia or Super Base Neutralizer.

Mixing Instructions

The mixing ratio is 1 Part A to 1 Part B by volume. Pre-mix Part A before adding Part B. Do not mix more material than can be applied in 90 minutes at 77°F. Higher temperatures reduce work time. Proportion the two components carefully and mix for 2 minutes using a drill mixer being sure to scrape the bottom and sides of the mixing vessel.

Application Recommendations

Material should be poured from the mixing pail and spread using a flat trowel or squeegee at the rate of 150-200 sq. ft. depending upon the porosity of the concrete. A mechanic wearing spiked shoes should walk onto the wet material and back roll using a ½ inch roller nap. Brush trim the edges. The goal is to distribute the material evenly to completely hide the substrate. If concrete shadows appear, apply additional product and back roll. Broadcast the color chips into the wet material within 30 minutes of coating application. See complete system application instructions for further details.

Handling Precautions

Do not breathe vapors. Use appropriate respirator with green band cartridge to protect against Use appropriate respirator with green band cartridge to protect against methyl amine vapors. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

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