

PRODUCT DESCRIPTION

Res-Tek EPO-Guard™ EPO-203 is a low odor, multi-purpose, 100% solids, 2-component epoxy coating. This product is clear and high gloss in appearance. EPO-203 is designed to be applied as a primer, binder, or body resin.

TYPICAL USES

EPO-203 is a general-purpose epoxy resin used for a wide variety of applications including but not limited to repairing, priming and binding aggregate for epoxy flooring systems. This product is extremely versatile and can be used as a primer, as a binder coat for Res-Tek colored quartz (CQ) and colored flake (CF) broadcast systems, or as a self-leveling bodied system. This product is not recommended for applications exposing the epoxy coating to UV light or high heat (>44°C/111°F).

PHYSICAL CHARACTERISTICS

Mix Ratio (A:B, V:V): 2:1

Viscosity (ASTM D2196, cPs): 500

Density (ASTM D1475, lbs/gal): 8.97

Tensile Strength (ASTM D638/C307, psi): 8,500

Pot Life (77°F): 25 min.

Cure Time (75°F, 70% RH): 10.5 hrs (foot traffic and recoat), 12 hrs (full service)

Shelf Life: 1 yr. from ship date (unopened) at 73°F

Volume Solids (%): 100%

VOC (g/l): 0

Induction Time: None

Shore D Hardness (ASTM D2240): 80

Compressive Strength (ASTM C579, psi): 13,000

Heat Distortion Temperature (°F, 264-psi load): 111

DOT Classification Part A: Not Regulated

DOT Classification Part B: Polyamines, liquid, corrosive, N.O.S. (polypropylenediamine, Nonylphenol), Class 8, PG III, Marine Pollutant, UN 2735

PROPERTIES

- Excellent resistance to staining and chemicals, such as acids, alkalis, and solvents
- Zero VOC
- Low odor - reduces the need to relocate personnel during application
- Impact resistant
- Seamless
- Nonporous
- Low viscosity
- Durable and low maintenance

RES-TEK INC.

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EPO-Guard™

EPO-203

Primer/Binder/Body Resin

SURFACE PREPARATION

Surfaces receiving Res-Tek primers must be thoroughly cleaned and prepared by shot blasting or other approved mechanical means based on application.

Before applying this product as a primer, the substrate must be thoroughly cleaned of grease, oils, curing membranes, wax, or any other contaminants. The substrate surface must be dry and free of laitance and unsound concrete. Concrete slabs must be free from hydrostatic pressure.

In the event of extreme porosity that leads to the primer being absorbed by the substrate, the priming procedure must be repeated until a continuous coat of primer cures on the surface of the substrate.

APPLICATION OF MATERIALS

If pigment is required, mix pigment into Part A prior to mixing with Part B. Use a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until evenly dispersed. Once fully blended, mix A & B using a variable speed drill equipped with a Jiffy mixing blade until well blended for a minimum of two minutes. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.

If no pigment is required, mix 2 Parts A with 1 Part B by volume. Using a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until well blended for a minimum of two minutes. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.

Apply EPO-203 material to floor immediately after mixing by using a brush, roller, squeegee, or trowel. Rate of application will vary based on system selected. Refer to appropriate system specification for detailed application rates. If a second coat is required, it must be applied within 20 hours, otherwise the surface must be sanded with 60 grit sandpaper prior to application.

Application temperature should be between 60°F and 80°F. Substrate temperature must be a minimum of 5°F above dew point. This product should be applied at a maximum 80% relative humidity.

Use xylene, acetone, etc. for cleaning tools and equipment soon after use. Do not use solvents on hands or other parts of body. Clean hands and other exposed areas with soap and water.

STANDARD PACKAGING

15 gallon kit (2 parts A, 1 part B, in 5 gallon pails)
3 gallon kit (2 parts A, 1 part B, in 1 gallon pails)
Pigment: 1 quart can (mix 1 quart: 3 gallon kit).

STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. For best results material should be stored between 70°F and 90°F. Do not store near open flame or ignition source. Read and understand all product labels and Safety Data Sheets (SDS) prior to use.

CAUTION

Workers should wear protective clothing, eye protection, and impermeable gloves. If allowable exposure limits are exceeded, organic vapor respirators should be worn. All on-site personnel should become familiar with the SDS and appropriate system specification in order to increase hazard awareness.

WARRANTY

Res-Tek Inc. warrants that materials shipped to buyers are free of any defects in material or workmanship according to Res-Tek's published data if used in accordance with Res-Tek's specified application procedure. Res-Tek Inc. shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended, and in accordance with Res-Tek's application guidelines. Res-Tek Inc. has no responsibility for application and processing of products.

This product is sold by weight, not by volume. Product properties require that containers provided are not completely filled. See price sheet for actual container weight and volume.

Note: This product data sheet was prepared as a general guide only. Please contact your local Res-Tek Representative or our Technical Service department for assistance prior to any application.

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