

## PRODUCT DESCRIPTION

Res-Tek EPO-Guard<sup>™</sup> EPO-200 Waterborne Epoxy Primer is an advanced hybrid polymer coating, incorporating state-of-the-art waterborne technology. This product exhibits superior corrosion, chemical, and abrasion resistance without the drawbacks associated with solvent reduced epoxies. Through the use of EPO-200, the combination of high performance and low hazard application can be achieved.

## TYPICAL USES

EPO-200 is designed as a general-purpose, high-performance coating to be used on a variety of substrates. This product is ideally suited for coating floor areas as the primer coat of a system installation. EPO-200 is designed to achieve a bond with the concrete substrate as an anchor for Res-Tek EPO-Guard products and epoxy flooring systems. Res-Tek EPO-200 can be used in warehouse traffic areas, aircraft hangars, and chemical process areas.

## PHYSICAL CHARACTERISTICS

**Mix Ratio (A:B, V:V):** 1:4

**Viscosity (ASTM D2196 cPs):** 1100

**Density (ASTM D1475, lbs/gal):** 12.10

**Pot Life (77°F):** 2 hrs.

**Cure Time (75°F, 70% RH):** 2.2 hrs (foot traffic and recoat), 6.5 hrs (full service)

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

**Volume Solids (%):** 67%

**VOC (g/l):** 1.38

**Induction Time:** None

**Shore D Hardness (ASTM D2240):** 81

**DOT Classification Part A:** Not Regulated

**DOT Classification Part B:** Not Regulated

## PROPERTIES

- Excellent resistance to staining and chemicals, such as acids, alkalis, and solvents
- Low VOC - allows applicators to conform to government regulations
- Low odor - reduces the need to relocate personnel during application
- Seamless
- Nonporous
- Low viscosity
- Durable and low maintenance
- Long pot life
- Easy water clean up

**RES-TEK INC.**

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# EPO-Guard™ EPO-200 Waterborne Epoxy Primer

## SURFACE PREPARATION

To provide a lasting bond, 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.

Floor surfaces receiving Res-Tek primers must be thoroughly cleaned and prepared by shot blasting or other approved mechanical means.

## APPLICATION OF MATERIALS

Before application, mix 1 part A with 4 parts B by volume. Using a variable speed drill equipped with an appropriate 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-200 material to floor immediately after mixing by using a brush, roller, or squeegee. Apply at a rate of 8-10 mils wet film thickness or 200-160 sq ft/gal to yield 5-7 mils dry film thickness. Lightly back-roll the coating to smooth imperfections. 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.

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.

Use water for cleaning tools and equipment soon after use. Once product has begun to set, xylene, acetone or other solvent will be required for cleaning. Do not use solvents on hands or other parts of body. Clean hands and other exposed areas with soap and water.

## STANDARD PACKAGING

3 gallon kit  
(1 part A in 1 gallon pail, 4 parts B in 3 gallon pail).

## STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. Keep from freezing. Read and understand all product labels and Safety Data Sheets (SDS) prior to use.

## CAUTION

Workers should wear 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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