

PRODUCT DESCRIPTION

Res-Tek EPO-Guard™ EPO-260 Aliphatic Flexible Epoxy flooring system is known for its high flexibility, elongation, and toughness. Based on oligomeric polyamine it is unlike other coatings which rely on high concentrations of harmful plasticizers to increase elongation and flexibility. EPO-260 uses the inherent characteristics of the oligomeric polyamine structure. The advantage is no loss in physical properties due to using a single component system. Additionally, there is no top coat needed, which transfers value to applicators and owners in savings of labor and down time.

TYPICAL USES

Res-Tek EPO-260 is recommended for use as a flexible membrane where substrate cracking is anticipated and/or evident. It is ideal for mechanical equipment rooms, kitchens, animal research, wet production, secondary containment, and other areas requiring protection from substrate cracks coming through the system.

PHYSICAL CHARACTERISTICS

Mixed Ratio (pre-portioned kits, A:B): 1:1

Initial Mixed Viscosity (cps @ 77° F): 550

Volume Solids (%): 100%

Dry Film Times (20 mil thickness, 77° F, 65% RH): 2 hrs (set to touch), 2.8 hrs (tack free), 4 hrs (dry hard), 7 hrs (full service)

Cure Time (20 mil thickness, 77° F, 65% RH): 8 hrs (light foot traffic), 8-32 (recoat), 24 hrs (light traffic), 5-10 days (full service)

Shore D: >70 (7 days), 50 (2 days)

Impact Resistance (ASTM D256): 1.4/ (notched/ unnotched [ft-lb/in] >15.2)

Abrasion Resistance (mg loss, Taber 1000 cycles CS-17 wheel): 29

Tensile Elongation at Break [%] (ASTM D638): 169

Tensile Strength (ASTM D638, psi): 4,652

Tear Strength [lb/in] (ASTM D624): 1017

Adhesion (ASTM D4541, 100% concrete failure, psi): 1,782

PROPERTIES

- High flexibility
- Zero VOC
- Strong low temperature cure
- Very abrasion resistant
- Chemical resistant
- Good adhesion to variety of substrates
- Resistant to surface blush

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EPO-Guard™ EPO-260

Aliphatic Flexible Epoxy

APPLICATION OF MATERIALS

Before application, mix 1 part A with 1 part B by volume. Using a low speed drill and Jiffy blade, mix for three minutes and until uniform, exercising caution not to introduce air into the material.

To achieve proper cure and performance, strictly follow mix ratio recommendations. EPO-260 is a viscous material and requires complete mixing to cross link properly, match the mix blade to the volume of material to insure a full mix and always mix for a minimum of 3 minutes.

EPO-260 should be primed using EPO-203 or EPO-200 water-based primer. It may be applied via 3/8" roller taped and solvent washed, or brush. Apply at a spread rate of 80 sq. ft. per gallon. Coverage will vary depending upon porosity of the substrate and surface texture. Roller application will leave a stipple finish, a final backroll with a short nap (1/4" or 3/16") roller or foam roller will reduce but not eliminate the stipple. While not required, EPO-260 can be top coated using EPO-204 for additional chemical resistance. Allow to cure overnight.

NOTE: Epoxy materials may tend to blush at the surface especially in humid environments. After surface is primed and before installation of each subsequent coat, surface must be examined for blush (a whitish greasy film and/or low gloss). The blush must be completely removed prior to recoating using warm detergent water or through solvent wipe.

STANDARD PACKAGING

2 or 10 gallon kits (1 part A, 1 part B, in proportioned kits).

STORAGE CONDITIONS

Ensure seal and labels are intact and legible and store materials in accordance with general polymers instructions. Maintain temperature within required range.

CAUTION

Do not apply this product in the presence of carbon monoxide emitting equipment. Workers should wear protective clothing including goggles 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 hazard section of application binder 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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