

EPOXY GEL

VOC-Free, High Performance Crack Filler Epoxy

Description

The EPOXY GEL is a two-component gel epoxy crack repair system which is VOC-free, 100% solids (no solvent) and odor free. The product is easy to use and can be easily applied on horizontal and vertical surfaces. It also offers a long pot life and working time but cures very quickly allowing the installation of the base coat or primer minutes after the application of the EPOXY GEL.

This product possesses superior mechanical and chemical properties suited for commercial and industrial applications. The formulation is based on a high-performance cycloaliphatic polyamine technology displaying outstanding properties.

Uses

The EPOXY GEL is suited for the most demanding applications:

- + Industrial uses
- + Manufacturing facilities and warehouses
- + Commercial centers
- + Office buildings
- + Retail stores
- + Parking garages
- + Food/beverage processing and preparation plants
- + Public facilities including hospitals and schools
- + Pharmaceutical companies
- + Other commercial uses

Advantages

- + Environment friendly (100% solids, VOC-free and no solvent)
- + Potential for LEED eligibility
- + Odor free
- + Compatible with epoxies and polyaspartics
- + Can be used on vertical surfaces
- + Recoat window of 24 hours
- + Maintain its thixotropy even during exothermic reaction
- + Easy application with long pot life and working time
- + Fast curing

Application Data

Mix Ratio	2A:1B	
Packaging	3 US gallon kits (3 x 3,78L)	
Colour	Grey/Milky	
Viscosity	Gel	
Shelf Life	One year, in original unopened factory pails under normal storage conditions	
Application temp.	Min 10°C, Max 30°C	
Cure Time		
Working Time	30 min	22°C and 55% rel. hum
Tack Free	2 hours	22°C and 55% rel. hum
Solids Content	100%	

Surface Preparation

Concrete should be clean, dry and free of grease, oil, paint, curing agents or any contaminants that may inhibit proper adhesion. Concrete should be cured at least 28 days before applying the coating system.

Proper testing procedures should be practiced with regards to soil acidity and moisture vapor transmission. Take a pH reading to ensure concrete is neutral (a reading between 5 and 9 is acceptable). Use a calcium chloride test to measure moisture vapor transmission. Readings of 3.5 lbs./1000 sq. ft. during a 24-hour period or less are acceptable for applying coatings. Higher results should receive a moisture mitigation system.

Surface must be prepared mechanically in line with CSP-3-4. Ensure the surface is free of contaminants, and the pores are open to allow the product to bound.

If the product is applied over an existing epoxy flooring system that has been cured for a period longer than one day it should be sanded with a proper floor machine. A mechanical bound to a sanded surface is required and the pores of the existing coating must be opened for better adhesion. Vacuum dust and properly wipe the surface prior applying the EPOXY GEL. Conduct adhesion tests if there is a doubt about surface preparation.

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Mixing

Mix two parts of A and one part of B together at low speed on a vertical surface using a trowel or a scrapper. The surface must be clean and free of any outside particle. Mix only the necessary quantity to be used according to the specified pot life / working time.

Application

Apply only when air and floor temperature is between 10-30°C and the relative humidity less than 85%. The product has been especially designed to adhere on concrete surfaces. Once the surface has been properly prepared, apply the product with a trowel or a scrapper. The EPOXY GEL is a gel designed to be applied in thick layers to fill gaps or holes in concrete floors or walls. Proper testing should be conducted prior application.

Recoat

We recommend waiting at least 60 minutes after the application of the EPOXY GEL to install the epoxy/polyaspartic primer or base coat. Do not apply epoxy or polyaspartic without sanding. Once the surface area has been sanded and thoroughly cleaned vacuumed of debris you may proceed with applying the appropriate coatings; Epoxy primer, Epoxy, Polyaspartic.

Clean Up

Excess liquid A and B material should be mixed together and allowed to cure. Cured product may be disposed of without restriction. Uncured material should be stored in a suitable and sealed container and may be disposed in accordance with provincial and federal regulations.

Limitations

Requires a dry substrate. This product should not be applied to concrete substrates that show high levels of moisture/humidity. Although this product may be applied in a wide range of thickness, limitations may apply when taking into consideration curing time. Everything else being equal, thicker is the film, quicker is the curing time. Moisture content of the substrate must be <4% prior to application. Not suited for exterior applications. Temperature will also impact curing time. Curing time may extend significantly at very low temperature levels. Keeping the product stored at room temperature will make the application easier and dry times shorter.

ResinTek stands behind the quality of its products. However, ResinTek cannot guarantee results since ResinTek has no control over surface preparation, operating conditions and application procedures. Clients are solely responsible to test ResinTek's products to determine if they perform as expected.

In order to meet our strict requirements, we are continuously testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data included in this reference document may not be up to date as of the date of reference. Contact ResinTek for further information regarding the limitations of this product.

Available Colors

Grey / Milky

Refer to the most recent Material Safety Data Sheet prior using this product

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