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Chemical Resistant Epoxy Primer

**Epoxy Flooring Primer/Sealer and
Fabric Layup Resin for Composite Materials
Epoxy Mortar Resin**

Epoxy.com Product #12

GENERAL DESCRIPTION

Chemical Resistant Epoxy Primer and Epoxy Floor Sealer Product #12 is a two component, seamless 100% solids epoxy primer system with **High Chemical Resistance** and **High Bond Strength**. The epoxy may be applied as a primer for most High End Industrial coatings. Product #12 Chemical Resistant Epoxy Primer and Epoxy Floor Sealer is also commonly used as a fabric layup epoxy resin in carbon fiber composite and fiberglass composite materials, as an epoxy mortar resin and as a consolidator to toughen wood.

APPLICATIONS

Chemical Resistant Epoxy Primer and Epoxy Floor Sealer Product #12 can be used as a primer and as a composite fabric layup resin, and an epoxy mortar resin.

ADVANTAGES

- 100% SOLIDS - Gives you excellent economy.
- VOC CONTENT IS NIL
- *LOW TO VIRTUALLY NO ODOR*
- *STRONG YET RESILIENT*
- *HIGH BOND STRENGTH*
- *ABRASION RESISTANT*
- *CHEMICAL RESISTANT*

SURFACE PREPARATION

Surface to receive **Chemical Resistant Epoxy Primer and Epoxy Floor Sealer Product #12** must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, mechanical abrasion. If acid etching is used follow with abrasive or mechanical abrasion. Remove water and dust from all surfaces with an oil free blast, or vacuum, immediately prior to application.

MIXING INSTRUCTIONS

Temperature of **Chemical Resistant Epoxy Primer and Epoxy Floor Sealer Product #12** must be 65 degrees F or above at time of mixing. Stir each component separately before blending. Mix two parts by volume of Part A with one part by volume of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

APPLICATION

Chemical Resistant Epoxy Primer and Epoxy Floor Sealer Product #12 can be applied with brush, roller, trowel, airless sprayer or squeegee. Apply a coat of Product #12 to surface to be finished. Average application rate is 200 square feet per gallon on smooth concrete. Contact Epoxy.com technical support for information on how to adjust application rate to account for a substrate that is more porous, or has more texture. For more information before installing please see [installation tips](#).

If anti-skid is required, or to improve trowelability of the next coat, it may be broadcast with aggregate (while epoxy is still wet). This can be done by hand or mechanical means. Allow them to dry. Then sweep off excess aggregate. Sand surface (if required) to desired texture. It may be left a final sealer or you may install other high end top-coats over the Product #12 at a rate as recommended by that material.

LIMITATIONS

New concrete to receive **Chemical Resistant Epoxy Primer and Epoxy Floor Sealer Product #12 (and epoxy layup resin)** should be at least 28 days old. Temperature of substrate must be above 55° F. DO NOT thin. For outdoor use contact Epoxy.com for technical assistance.

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

APPLICATION PROPERTIES @77° F

Mix Ratio	2:1 By Volume
Viscosity (mixed)	<500 CPS
Pot Life (200 gr.)	30 minutes
Recoat Time	6-10 hours depending on temperature
Maximum Time to Recoat	24-48 hours depending on temperature
Final Cure	7 Days
Packaging (unit size)	gallons, pails, drums

PHYSICAL PROPERTIES (neat)

Bond Strength (ASTM C-882)	2100 psi
Flexural Strength (ASTM D-2240)	>6000 psi (7 days)
Compressive Strength (ASTM D-695)	>9900 psi (7 days)
Absorption (ASTM D-570)	<1%
Thermal Shock	40 Hr. @10° F., 3 Min. @ 212° F. Shock Water @ 33° F.

Proper mixing and installation is critical to the optimal success of all products. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

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