



# Epoxy.com Product #12

Chemical Resistant Epoxy Primer

## GENERAL DESCRIPTION

Epoxy.com 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, like Epoxies, MMA, Polyurethane's, Vinyl Esters, Polyesters, etc.

## APPLICATIONS

Can be used as a primer to any of the materials listed above, being installed in, but not limited to the following areas:

Aisle Ways	Machine Shops
Assembly Plants	Manufacturing Areas
Bakeries	Marine Surfaces
Basement Floors	Meat Preparation Areas
Bottling Plants	Mortuaries
Break Rooms	Nuclear Plant Floors
Cafeterias	Offices
Canning Plants	Patching concrete
Car Washes	Photography Processing Areas
Cells	Power Plants
Chemical Storage Areas	Printing Plants
Chemical Processing Areas	Produce Preparation Areas
Church Floors	Pool Decks
Classroom Floors	Ramps
Corridors	Research Facilities
Educational Facilities	Rest Rooms
Entrances	Restaurants
Food Plants	Semiconductor Plants
Fork Lift Areas	Sewer Plants
Health Care Facilities	Shop Floors
Hospitals	Shopping Centers
Kennels	Shower Rooms
Kitchens	Store Floors
Laboratories	Show Rooms
Law Enforcement Facilities	Supermarkets
Laundries	Veterinary Facilities
Leveling concrete	Water Plants Warehouses
Loading docks	& many others
Locker Rooms	

## **ADVANTAGES**

*LOW ODOR*  
*STRONG YET RESILIENT*  
*HIGH BOND STRENGTH*  
*ABRASION RESISTANT*  
*CHEMICAL RESISTANT*

## **SURFACE PREPARATION**

Surface 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 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**

Epoxy.com 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 For information on how to adjust application rate to account for a substrate that is more porous, or has more texture.

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 should be at least 28 days old. Temperature of substrate must be above 55 degrees 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.

<b>APPLICATION PROPERTIES @77 DEGREES F</b>	
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
<b>PHYSICAL PROPERTIES (neat)</b>	
Bond Strength (ASTM C-882)	2100 p.s.i
Flexural Strength (ASTM D-2240)	>6000 p.s.i (7 days)
Compressive Strength (ASTM D-695)	>9900 p.s.i (7 days)
Absorption (ASTM D-570)	<1%
Thermal Shock	40 Hr. @10 Degrees F., 3 Min. @ 212 Degrees F. shock water 33 Degrees F.

**FOR INDUSTRIAL USE ONLY  
KEEP AWAY FROM CHILDREN**

For more information please contact:

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