



# Epoxy.com Product #235

Chemical Resistant Epoxy Tile Grout and Adhesive

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## DESCRIPTION

**Epoxy.com Product #235 Chemical Resistant Tile Grout and Adhesive** is a highly chemical resistant, industrial grade, Novolac epoxy grout for ceramic tile, quarry tile, brick pavers, and stone. **Epoxy.com Product #235 Chemical Resistant Tile Grout and Adhesive** is supplied in pre-packaged kits containing resin, hardener, and mineral fillers that produce a dense, uniform seal. Typical applications for **Epoxy.com Product #235 Chemical Resistant Tile Grout and Adhesive** require superior resistance to thermal shock, chemicals, and heavy traffic found in the harsh environments of dairies, bakeries, meat packers, breweries, canneries, bottlers, distilleries, and pharmaceutical plants.

## ADVANTAGES

- Highly chemical and temperature resistant
- Low odor for use in occupied areas
- Low viscosity - good wetting properties
- Exceeds ANSI A-118.3 Specification for chemical resistant, water cleanable epoxy grout
- Cures at cold temperatures
- User-friendly packaging
- Versatile for both setting and grouting all types of tile
- USDA approvable

## CONSIDERATIONS

- Minimum application temperature of 50°F (Contact Epoxy.com for Low Temperature Cure).
- Substrate must be free of curing agents and any foreign materials.
- Some tiles and pavers can be stained by color pigments in **Epoxy.com Product #235 Chemical Resistant Tile Grout and Adhesive**.
- Try small area to determine results prior to grouting entire surface.
- Protect from exposure to chemicals and harsh cleaners until fully cured.

## APPLICATION

### SURFACE PREPARATION

Before grouting, clean joints and the tile surface with a damp sponge to remove dust, dirt, and other contaminants. Do not leave water standing in joints. Do not clean tiles with acid cleaners.

### MIXING

Empty entire contents of **Part A** and **Part B** into a clean mixing pail. With a slow speed drill or margin trowel, mix until liquids are completely blended. Add at least of Epoxy.com Product #235 **GROUT FILLER** (more for wider joints) and blend to uniform.

## INSTALLATION

Immediately pour Epoxy.com Product #235 mixture from mixing pail onto working area. Following standard epoxy and grouting techniques, apply Epoxy.com Product #235 to surface. Be sure all grout joints are completely filled. Remove excess grout with grout float. Do not leave excess grout on face of tiles.

Consult Epoxy.com for more detailed installation and cleaning instructions.

## COMPOSITION

100% solids epoxy-Novolac grout.

## COLOR

Grey, Black, and Clear. Custom colors available on request

## PACKAGING

1 GALLON and 5 GALLON units consisting of premeasured amounts of resin, hardener, and filler.

## CHEMICAL RESISTANCE

REAGENT	RATING		
Lactic Acid-85%	R	Sulfuric Acid-50%	R*
Acetic Acid-10%	R	Nitric Acid-20%	R*
Formic Acid-5%	R	Hydrochloric Acid-36.5%	R*
Citric Acid-50%	R	Bleach	R
Tartaric Acid-50%	R	Sodium Hydroxide	R
Tannic Acid-50%	R	Xylene	R
Oleic Acid-50%	R	Ethyl Alcohol	R
Phosphoric Acid-80%	R	Mineral Spirits	R
Hydrofluoric Acid-10%	R*	Toluene	R
		Methylene Chloride	NR

R = Recommended for continuous service.

R\* = Extended Exposure may cause stain.

L = Limited recommendation, occasional spills.

NR = Not Recommended

Chemical Resistance determined in accordance with ASTM C267-1982

## Installation Properties

Working Life 25 minutes  
Initial Set Time 4 hours Dry Time @ 70 degrees F  
Full Set Time Overnight  
Full Chemical Cure 5 -10 days

## PERFORMANCE PROPERTIES

Tensile Strength	ASTM C-307	2,000 to 2,500 psi
Compressive Strength	ASTM C-579	15,000 psi
Flexural Strength	ASTM C-580	3,800 to 4,100 psi
Water Absorption	24 hours	0.15%
Heat Resistance		190 degrees F. continuous 325 degrees F. intermittent
Adhesion to Concrete	ASTM C-321	350 to 400 psi

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

For more information please contact:

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