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## Clear Epoxy Mortar Resin

High Strength Epoxy Mortar Resin - 100% Solids - Zero (0) VOC

Epoxy.com Product #28

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### DESCRIPTION

**Clear High Strength Epoxy Mortar Resin PRODUCT #28** is a multipurpose colored epoxy binder for Epoxy Mortar Systems This all purpose epoxy resin is characterized as an excellent general purpose material with good clarity and color retention. It is essentially odorless and can therefore be used in occupied areas.

### ADVANTAGES

- Good troweling properties
- Excellent color retention
- Low odor for use in occupied areas.
- Low viscosity good wetting properties
- Available in "fast cure" systems.

## CONSIDERATIONS

- Minimum application temperature of 50°F (Contact **Epoxy System, Inc.** for Low Temperature Cure).
- Substrate must be free of curing agents and any foreign materials.
- Slight color variation can be expected from batch to batch.
- Pigmented version should not be used as a coating.

## COMPOSITION

100% solids amine cured Epoxy Resin.

## APPLICATION

### SURFACE PREPARATION

Surface Preparation is the most critical portion to any successful resinous flooring system application. All substrates must be properly prepared as outlined in **Epoxy.com** Surface Preparation Procedures. Work must be performed by trained or experienced contractors or maintenance personnel. The Epoxy.com technical service department is pleased to answer any questions.

## INSTALLATION

Will vary with application method.

### PHYSICAL PROPERTIES

Color	Clear to Slightly Amber
Gloss, 60°F	85-1 00
Weight/gallon	9.00-9.5 mixed
Solids Content	100%
Mix Ratio	4A to I B by volume
Pot Life	30-40 minutes @ 70°F
Viscosity	950 cps, mixed approx.
VOC	0
10-20 mil film	10-14 hrs.
Light Traffic	16 hrs.
Ultimate Cure 74°F	5 days
@ 50°F	14 days

## CHEMICAL RESISTANCE

**R-Recommended for continuous service. L-Limited recommendation, occasional spills.**

REAGENT	RATING	REAGENT	RATING
Acetic Acid-5%	L	Lactic Acid-15%	R

<b>Acetone</b>	<b>L</b>	<b>Methyl Ethyl Ketone</b>	<b>L</b>
<b>Bleach</b>	<b>L</b>	<b>Nitric Acid-10%</b>	<b>R</b>
<b>Citric Acid-30%</b>	<b>R</b>	<b>Skydrol</b>	<b>R</b>
<b>Crude Oil</b>	<b>R</b>	<b>Sodium Hydroxide-50%</b>	<b>R</b>
<b>Diesel Fuel</b>	<b>R</b>	<b>Sulfuric Acid-20%</b>	<b>R</b>
<b>Ethylene Glycol</b>	<b>R</b>	<b>Toluene</b>	<b>R</b>
<b>Fatty Acids</b>	<b>L</b>	<b>Urea</b>	<b>R</b>
<b>Gasoline</b>	<b>R</b>	<b>Vinegar</b>	<b>L</b>
<b>Hydrochloric Acid-15%</b>	<b>R</b>	<b>Xylene</b>	<b>R</b>

## PERFORMANCE PROPERTIES

Tensile Strength ASTM-D-638	8500 p.s.i
Elongation ASTM-D-638	5.5%
Adhesion to metal	2500 p.s.i
Adhesion to concrete ACI Committee 403	350 p.s.i (concrete fails)
Hardness ASTM-D-2240	80 (Shore D)
Abrasion Resistance ASTM-C-501	35-40 mg loss (CS-17 wheel, 1 kg load, 1000 cycles)
Service Temperature MIL- D-3134F	160° F (immersion) 185°F (dry heat)
Impact Resistance MIL-D3134F § 4.7.3	Withstands 16ft/lbs. no cracking, delamination or chipping.
Indentation MIL-D-3134F § 4.7.4	Withstands 2,000 lbs./sq. in. for 30 min. without indentation.
Elevated Temperature Resistance MIL-D-31 34F §4 7 5	No slip or flow at required temperatures at 158 degrees F
Water Absorption ASTM-D-670-63 (24. hr. immersion)	0.10% maximum
Flexural Strength ASTM-D-790	8,000 p.s.i
Compressive Strength ASTM-D-695	11,000 p.s.i

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:

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