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# Epoxy.com Product #16

## Pigmented Epoxy Mortar

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### DESCRIPTION

Epoxy.com PRODUCT #24 is a multipurpose colored epoxy binder for Epoxy.com 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               | Light Grey, Taupe, Sand, Dark Grey, Old Gold, Slate Blue, Mocha, Colonial Green, Brick Red, Deep Blue, White. Black, Safety Yellow |
| Gloss, 60°F         | 85-1 00  |
| Weight/gallon       | 9.00-9.5 mixed   |
| Solids Content      | 100%   |
| Mix Ratio           | 4A to 1 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   |
| Dry Time @ 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      |
| Acetone                | L      | Methyl Ethyl Ketone  | L      |
| Bleach                 | L      | Nitric Acid-10%      | R      |
| Citric Acid-30%        | R      | Skydrol              | R      |
| Crude Oil              | R      | Sodium Hydroxide-50% | R      |
| Diesel Fuel            | R      | Sulfuric Acid-20%    | R      |
| Ethylene Glycol        | R      | Toluene              | R      |
| Fatty Acids            | L      | Urea                 | R      |
| Gasoline               | R      | Vinegar              | L      |
| Hydrochloric Acid-15%  | R      | Xylene               | R      |
| 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)<br>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   |

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

For more information please contact:

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