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# Epoxy.com Product #115

Epoxy System for Modifying Concrete

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## DESCRIPTION

**Epoxy.com Product #115 Epoxy System** for modifying concrete is a two component, 2:1 ratio, 100% solids, liquid epoxy resin system. It can be added to conventional concrete or mortar mixes to produce high strength, epoxy modified concrete or mortar mix.

## WHERE TO USE

Especially suitable for topping for bridge decks, bridge seats, parking garages, piers, grade slabs, and pads for rail or machine setting.

## ADVANTAGES

**Epoxy.com Product #115 Epoxy System System** for modifying concrete will increase durability, freeze-thaw and impact resistance. **Product #115** will increase compressive, flexural, tensile and tensile splitting strengths. The coefficient of expansion and set time is the same as normal concrete.

## SURFACE PREPARATION

Substrate must be clean and sound.

**ABOVE GRADE-** Apply **Product #7 Bonding Agent** to the surface to be repaired at a rate of approximately 100 square feet / gallon. While the bonding agent is still tacky, place the epoxy modified mortar or concrete mix.

**GRADE SLAB** - Apply a slurry coat of epoxy modified mortar to the area to be repaired. Place the epoxy modified mortar or concrete while the slurry is still wet.

## MIXING

The following mixes are suggested as guides. Local aggregates vary, mix proportions should be based on available supply. Mix with as low a water content as is consistent with proper placing and consolidation.

## RECOMMENDED PROPORTIONING FOR EPOXY MODIFIED MORTAR:

|               |                      |                                |
|---------------|----------------------|--------------------------------|
| Type I Cement | 1 bag (94 lbs)       | Purchased by Installer locally |
| Sand          | 300 lbs              | Purchased by installer locally |
| Product #115  | 2 gallon             | From Epoxy.com                 |
| Water         | 5.5 gallons (approx) | Tap Water                      |

Mix epoxy and portland mortar separately, then combine.

## RECOMMENDED PROPORTIONING FOR EPOXY MODIFIED CONCRETE

|                 |                |                                |
|-----------------|----------------|--------------------------------|
| Type I Cement   | 1 bag (94 lbs) | Purchased by installer locally |
| Sand            | 300 lbs        | Purchased by installer locally |
| 3/8" Pea Gravel | 163 lbs        | Purchased by installer locally |
| Product #115    | 2 gallon       | From Epoxy.com                 |

For epoxy modified concrete, it is not necessary to pre-mix epoxy. Place Coarse Aggregate in concrete mixer, add all of each component of Product #115 (A & B). Mix for (3) three minutes. Add sand, some water, then cement. Continue mixing until well blended. Add water to obtain desired slump. (Water requirement will vary depending on moisture in sand).

For still better physical properties use Epoxy.com Product #115 Part "C" for your aggregate.

## CLEAN UP

Flush equipment frequently with water. Tools in contact with neat epoxy must be cleaned with MEK, Xylene or other solvent-type cleaner. Tools in contact with concrete and mortar may be washed with water.

## LIMITATIONS

Not recommended for use at temperatures below 50°F. Keep material between 65°F and 85°F during mixing. Do not mix Product #115 with organic solvents.

**STORAGE** - Keep in cool dry area.

**SHELF LIFE** - 1 year

## **CAUTION**

**A COMPONENT - FOR INDUSTRIAL USE ONLY!! WARNING!!** May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation particularly if material is heated or sprayed. Prevent all contact with skin or eyes. If contact with skin occurs, wash immediately with soap and water. In case of contact with eyes, flush immediately with water and contact a physician. SPI Class 3.

**B COMPONENT - DANGER!! CAUSES SEVERE BURNS!!** Contains alkaline amines; strong sensitizer. Do not get into eyes, on skin, or clothing. Avoid breathing vapor. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard contaminated shoes. MCA.

**WEAR PROTECTIVE CLOTHING, GOGGLES, GLOVES, AND/OR BARRIER CREAMS.**

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

For more information please contact:

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