



# Product Data Sheet

## ASMACO POXY 95

**Two component 100% solids solvent free, High strength, abrasion-resistant epoxy reinstatement mortar.**

### DESCRIPTION:

ASMACO POXY 95 is a two-component, 100% solids epoxy deep crack filler designed for shallow repairs on both vertical and horizontal surfaces. This product is easy to mix and use, featuring a non-critical mix ratio. Furthermore, due to its 100% solids formulation, the product can be applied more generously on horizontal surfaces when necessary.



### KEY PERFORMANCE PROPERTIES

- Easy to use, non-slumping.
- Good impact resistance
- Resistant to acids, alkalis, oil, grease, hydrocarbon fuels and saline water
- No primer or bonding agent required.
- High compressive strength
- Can be troweled to smooth finish.

### AREAS OF APPLICATION

Designed for a wide range of floors with various levels of mechanical and chemical exposure,

- Concrete repair: repairing damaged concrete, filling of cracks.
- Skim coat/filler on prepared floors prior to application of floor coatings.
- Jointing compound: can be used to join pre-cast concrete / GRC structures.
- Bedding material: can be used for fixing heavy duty areas, bedding bridge beams or bridge bearing.
- Excellent for anchoring bolts or replacement rebar and filling bolt pockets.
- Adhesive for bonding structural reinforcement, particularly in structural strengthening works. Especially for the following uses: Carbon Fiber Plates to concrete, brickwork, timber and steel.

### METHOD OF APPLICATION

ASMACO POXY 95 compounds shall be applied as per the following general method of application:

#### A. Substrate preparation:

The performance and durability of the compound largely depends on the condition of the substrate. Therefore, conditioning and preparation of the substrate is of utmost importance. The surfaces shall be thoroughly cleaned to remove all dust particles and laitance.

#### B. New Concrete Floors

Should be at least 28 days old or have a moisture content of less than 5% before proceeding with epoxy repairing. Laitance and debris on new concrete floors should be removed by mechanical method. Dust should be removed by vacuum cleaning and brushing.

#### C. Old Concrete Floors

Mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present, in which at this stage PRIMING the surface with ASMACO PRIME P2 is highly recommended to ensure proper adhesion of the compound to be applied.

#### D. Steel Surface

The surface should be grit blasted then clean by solvent and kept to dry, priming also is recommended by using **Epoxy steel primer** prior to application of ASMACO POXY 95 and ensure a proper bonding and adhesion.

#### E. Mixing

ASMACO POXY 95 part A and part B shall be mixed thoroughly using a trowel or gloved hand until a uniform color and consistency is achieved. For small mixes, ensure that both the parts are mixed as per the ratio of 3:1 (A: B).

#### F. Application

Application can be carried out by putty knife, trowel or wooden float. Press firmly to ensure proper adhesion and full contact. Additional build up can be done by multiple layer application. Thickness can be from 0mm - 5mm. The application of additional layers should follow between 8 – 24 hours after the first application.

TDS\_ASMACO POXY 95 EPOXY ADHESIVE, GCC 0923



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## TYPICAL PROPERTIES

The following values were obtained when tested at 20°C and 30°C.

	@ 20°C	@ 30°C
<b>Pot Life:</b>	70 mins	45 mins
<b>Cure Time:</b>	5 hours	2.30 hours
<b>Full Cure:</b>	7 Days	
<b>Application Temperature:</b>	+5°C to +30°C hours	
<b>Coefficient of thermal Expansion per -20 °C +40 °C:</b>	2.5 x 10 <sup>-5</sup>	
<b>Compressive Strength:</b>	>60 N/mm <sup>2</sup>	
<b>Flexural Strength 7 Days:</b>	>42 N/mm <sup>2</sup>	
<b>Tensile Strength: Concrete Failure</b>	> 4 N/mm <sup>2</sup>	
<b>Bond Strength (Pull Out):</b>	>16N/mm <sup>2</sup>	
<b>Concrete-steel bond Strength: (concrete Failure)</b>	>3N/mm <sup>2</sup>	
<b>Mixed Density Kg/Liter:</b>	1.65	
<b>Mixed Color:</b>	Grey	

## CLEAN UP

ASMCO POXY 95 bonds strongly even to metal. We therefore recommend that tools are cleaned with solvent (ethanol, toluene, etc.) before the product hardens.

## STORAGE & SHELF LIFE

Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment (<25° C). The shelf life is up to 12 months in unopened conditions if stored as per guidelines.

## Shipping Limitations: None

### Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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