

# METZ EPOXY PRIMER



## DESCRIPTION:

Metz Epoxy Primer is a multi purpose two-component, solvent-free epoxy primer specifically designed for use in Metz epoxy and polyurethane flooring and lining systems.

Metz Epoxy Primer can be used with a variety of Metz filling powders to aid in preparing concrete for overcoating.

Metz Epoxy Primer can also be used as a wet primer for Metz 8X2/sand/cement mortar screeds including in immersed situations such as swimming pools.

When desired Metz Epoxy Primer can be used as a finish coat. Sand broadcast or Metz Antislip Additive can be applied with Metz Epoxy Primer to achieve required slip resistance.

## FEATURES AND BENEFITS:

- Excellent Adhesion  
Good bond to both wet and dry substrates. Can be applied to green concrete. Suitable for immersion under water after curing
- Solventless  
100% solids system.
- Cures under adverse conditions  
Cures at temperatures down to 5°C and high relative humidity. Moisture tolerant during cure.
- Long pot life
- Withstands temperatures to at least 100°C
- Quality Accreditation  
The management system governing the development and manufacture of this product is proudly ISO9001:2015 certified.

## RECOMMENDED:

As a primer for the following products:

- Metz 33 series and Metz 33EN series, Metz 94-SL and Metz 92 toppings
- Metz 20M, Metz 22, Metz 95M and Metz 96 membranes
- Metz 4HB-EN and Metz 5EN coatings
- Metz 20B and Metz 20E movement joints, when joint surfaces are not dry, or for immersion conditions
- As a highbuild base coating which may incorporate anti slip aggregate prior to overcoating with Metz 4HB, Metz 4HB-EN or Metz 5EN.
- As a wet primer for Metz 8X2/sand/cement mortar screeds and Metz Korodur Monolithic Topping when applied on cured concrete

## PHYSICAL PROPERTIES: (Typical Values)

Density g/cm <sup>3</sup> :	1.08
Adhesion to concrete (ASTM D7234):	>1.5MPa (Concrete failure)
Max. Service Temp.:	100°C
Colour:	Standard is untinted for Liquid component

## COVERAGE: Theoretical quantities (allow for wastage)

0.21 - 0.3 kgs per sq. metre at 0.2mm thickness depending on absorbency and roughness of surface.

0.3 - 0.4 kg per sq. metre when incorporating Metz Fabric Reinforcement.



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## INSTRUCTIONS FOR USE

### 1. Temperature of Working Area

For optimum results, maintain a temperature of 5°C to 30°C on air and substrate and components during application and curing.  
At temperatures below 5°C, the application becomes more difficult and curing is retarded.  
At temperatures above 30°C, the working time decreases.

### 2. Surface Preparation

Refer the Data Sheet for the appropriate coating or topping's preparation requirements.  
All surfaces must be clean and free from oil, grease, water and other contaminants which may inhibit bond.  
Remove all standing water.

### 3. Mixing

Mix Liquid component with a slow speed drill for a minimum of 30 seconds and at least until all material is of consistent appearance.

#### a) Mixing Equipment

Mechanical mixing is recommended.  
A low speed drill with appropriate mixing paddle is suitable.  
Small quantities can be mixed by hand, using a trowel or spatula.

#### b) Mixing Proportions

	By Weight	By Volume
Liquid L1 Neutral	1.85	1.6
Epoxy Primer Hardener	1	1

**Note:** the liquid to hardener ratio must not be altered under any circumstances

#### c) Mixing Procedure

Mix liquid and hardener together thoroughly for 1-2 minutes.  
Ensure complete mixing.  
Material which has begun to set must be discarded  
Do not add any solvent, additive or adulterant to any component or to the mixed material.

#### d) Pot Life

at 20°C	70 minutes
at 30°C	40 minutes
at 40°C	30 minutes

**Note:** Increase in temperature will decrease pot life, as will leaving mixed material in a large mass. Spread out material in a thin layer as soon as possible after mixing.

#### e) Clean Up

Mixing equipment, tools, etc., can be cleaned with Metz Cleaner, xylene, acetone or MEK prior to initial set of cement.

### 4. Installation

Apply to concrete using short nap roller or nylon bristle brush. Refer to the appropriate coating or toppings Data Sheet for recommended primer thickness and time to allow before over coating or topping.

When using Metz fabric reinforcement the fabric is to be rolled into the wet primer and flattened out to ensure that no voids exist in the coating. Overlap all edges of fabric by minimum of 50mm.

When using as a wet primer for Metz 8X2/sand/cement mortar screeds follow the instructions for Metz 8X2 use substituting Metz Epoxy Primer for the bonding slurry. It is critical that the mortar screed is placed soon after Metz Epoxy Primer application whilst the primer layer is still fresh.

When using as a coating slip resistance requirements can be achieved by using either Metz Antislip Additive or sand broadcast. If Metz Antislip Additive is used, the additive can be mixed in either 1st coat or 2nd coat. If sand is used, sand is broadcast immediately after installation of 1st coat. Allow to cure before topping with 2nd coat.

**Note:** Metz Epoxy Primer may be used with fillers such as Metz P6 powder if airholes etc require filling prior to application of primer coating. In this case add powder to suit and use as a scratch coat, scraping off excess whilst leaving holes filled flush.

### 5. Setting/Curing:

	Pot Life	Setting Time
at 20°C	70 min	10 - 12 hours
at 30°C	40 min	5 - 6 hours
at 40°C	30 min	2 - 3 hours

### 6. Storage

Store in original sealed containers in cool dry place between 10°C to 30°C. Under these conditions minimum shelf life is 12 months.

### 7. Safety Precautions

Liquid and Hardener

Use chemical goggles, PVC gloves and barrier cream.  
Avoid contact with skin and eyes.

For full safety precautions refer to Safety Data Sheets for both components.

**Always ensure you have the latest data sheet version, refer [www.metz.net.au](http://www.metz.net.au)**

- The customer must comply strictly with the instructions contained in this product data sheet. Metz is not responsible for any advice or variations to this data sheet which are not confirmed in writing.
- If the customer has a claim against Metz in respect of any product supplied to the customer by Metz whether due to a fault in the product or the negligence or breach of contract by Metz or for any other reason:
  - Metz shall not be liable for any loss of damage including consequential loss or damage or loss of profits arising thereby;
  - Metz may at its option replace the defective product free of charge to the customer or refund all payments made to it by the buyer in respect of the defective product; and the maximum liability of Metz shall be the cost of replacing the defective product.

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