

# METZ 33EN SEALER

## EPOXY NOVOLAC SEALING COAT



### DESCRIPTION:

Metz 33EN Sealer is a 100% solids Epoxy Novolac which is used as a sealing coat for Metz 33EN-TG, 33EN-VG and 33EN-SL systems.

### FEATURES AND BENEFITS:

- Outstanding Chemical Resistance  
Resistant to a wide range of concentrated acids and alkalis, solvent oils and fats. Resistant to spillages of concentrated sulphuric, hydrochloric, nitric and phosphoric acids.
- High Temperature Resistance  
Resistant to temperatures up to 150°C.
- High Bond Strength
- Solventless  
100% solids formulation.
- Rapid Cure  
Fast setting, minimises downtime.
- Low Temperature Cure  
Cures at temperatures down to 0°C.
- Quality Accreditation  
The management system governing the development and manufacture of this product is proudly ISO9001:2008 certified.

### RECOMMENDED:

As a top coat for Metz Epoxy Novolac monolithic topping systems to protect concrete against chemical and mechanical attack in:

- Secondary containment linings
- Acid plants
- Fertiliser plants
- Oil refineries
- Food processing plants
- Steel mills
- Water treatment & sewerage plant infrastructure
- CIP rooms in food & beverage plants
- Meat and Poultry plants

### NOT RECOMMENDED:

- For exposure to some strong organic acids and solvents.

### COVERAGE:

Theoretical quantity (allow for wastage):

For typical sealing Metz 33EN-TG and 33EN-VG) - 0.25 kgs/sq. metre

For typical sealing Metz 33EN-SL Broadcast - 0.48kg/sq. metre

### APPLICATION TEMPERATURE:

For optimum results, maintain a temperature of 10° - 40°C on air and substrate and components during mixing, application and curing.

### INSTRUCTIONS FOR USE

#### 1. Temperature of Working Area

For optimum results, maintain a temperature of 5-40°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 40°C, the working time decreases.

Application in direct sunlight and rising surface temperatures may result in blistering of the coating due to expansion of entrapped air or moisture in the substrate.

#### 2. Surface Preparation

Ensure all surfaces to be coated are clean and dry.

#### 3. Mixing

##### (i) Mixing Equipment

Mechanical mixing is recommended.

A special resinous cements mixer or mortar mixer is suitable.

Smaller quantities can be mixed using a heavy duty drill with a suitable paddle. Consult Metz for details.

##### (ii) Mixing Proportions

	By Weight
L2 Liquid	2
33EN-Sealer Hardener	1

Note: Decant materials directly into the mixing bucket on electric scale. Measuring by volume gives inconsistent results impacting product performance. The liquid to hardener ratio must not be altered under any circumstances.

##### (iii) Mixing Procedure

Re-mix liquids prior to use.

Mix liquid and hardener together thoroughly for 1-2 minutes.

Do not add any solvent, additive or adulterant to either component or mixed material.

##### (iv) Pot Life

Approx 20 minutes at 20°C.

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.

##### (v) Clean Up

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

#### 4. Installation

Apply to prepared surface using short nap roller or nylon bristle brush.

Apply over surface to ensure complete sealing of the 33EN series product beneath.

#### 5. Setting/Curing:

Setting Time, at 20°C: 2 hours

Full Cure, at 20°C: 7 days

Do not allow water, chemicals or traffic on the material surface for a minimum of 24 hours. For harsh chemical or physical environments, cure a minimum of 72 hours at 20°C prior to exposure.

#### 6. Storage

Store in original sealed containers in cool dry place. 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 the Safety Data Sheets for each component.

**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 or 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.