

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.

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
- Steel mills
- CIP rooms in food & beverage plants
- Food processing plants
- Meat and Poultry plants

NOT RECOMMENDED:

- For exposure to some strong organic acids and solvents.

COVERAGE:

Theoretical quantity (allow for wastage):

For average 100 micron top coat (33EN-TG, 33EN-VG) - 0.12 kgs/sq. metre

For average 400 micron top coat (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.



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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	By Volume
Liquid L2	2	1.83
Hardener	1	1

Note: 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 Material Safety Data Sheets for each component.

Always ensure you have the latest data sheet version, refer 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:
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