

METZ PU-TOPCOAT

POLYURETHANE PRIMER/SEALER/TOPCOAT



DESCRIPTION:

Metz PU-Topcoat is a 3 component polyurethane coating that is used as a primer, as a sealing coat, and a final topcoat as part of various Metz coating systems.

When used as a tacky primer Metz PU-Topcoat aids the installation of Metz 93PU-VG and 94-VG. When tinted as required Metz PU-Topcoat is the final wearing layer of various Metz coating systems, especially Metz 94-SL after broadcasting to produce a highly slip resistant surface.

FEATURES AND BENEFITS:

- Assists Installation
Eases installation of polyurethane render layers
- Temperature Resistance
Withstands temperatures to at least 100°C .
- Non Tainting, Non Hazardous
Does not give off objectionable odours during application and curing. Components not dangerous for transport or storage.
- Excellent Adhesion
Good bond to both substrate and components of a Metz coating system.
- Quality Accreditation
The management system governing the development and manufacture of this product is proudly ISO9001:2015 certified.

RECOMMENDED:

As a primer for:

- Metz 93PU-VG
- Metz 94-VG
- As a topcoat for various Metz coating systems

PHYSICAL PROPERTIES: (Typical Values)

Density	Maximum service temperature, °C	100
Adhesion to concrete	concrete failure	

Standard colour: Neutral. Can be tinted on site to required colour.

COVERAGE:

Theoretical quantities (allow for wastage)

Metz 93PU-Topcoat:

0.35kg per sq. metre for 250micron coat wet film thickness (WFT)

0.8kg per sq. metre for sealing Metz 94-SL broadcast



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INSTRUCTIONS FOR USE

1 Temperature of Working Area:

For optimum results, maintain a temperature of 10 - 30°C on air and substrate and components during application and curing.

The material temperature should be between 18 and 25°C to ensure proper levelling and adequate pot life.

At temperatures below 10°C, the application becomes more difficult and curing is retarded.

At temperatures above 30°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:

All surfaces must be clean, dry and free from oil, grease, water and other contaminants which may inhibit bond.

Old Concrete

Concrete must be sound. Remove laitance, old paints, protective coatings and attacked or deteriorated concrete.

Chemically clean surface to remove any contaminants.

Grind, abrasive blast or high pressure water blast to remove laitance and provide a uniform, textured surface.

All structural cracks should be repaired and all slopes re-established - consult Metz for details. Smaller voids should be filled with non-shrink, high strength repair material.

All prepared surfaces must be allowed to dry prior to coating application.

All surfaces must be vacuumed to remove any loose deposits and contamination.

3. Mixing:

Proper mixing is essential for a successful installation.

(i) Mixing Equipment

The correct mixing equipment is essential. The use of incorrect equipment will result in blistering of the coating. A slow speed drill with suitable paddle or a special resinous cements mixer fitted with a suitable mixing blade are recommended.

(ii) Mixing Proportions

To reduce components required on site when using as a primer or sealer either Metz 94-Liquid or Metz 93PU Liquid can be used as set out below. For topcoats only use Metz 93PU-Liquid.

	By Weight	By Volume
When using Metz 93PU Liquid		
93PU Liquid	1.00	4.50L
PU-H1 Hardener	1.90	7.00L
PU-P3 Powder	0.67	3.00kg
When using Metz 94 Liquid		
94 Liquid	1.00	4.50L
PU-H1 Hardener	1.18	4.30L
PU-P3 Powder	0.67	3.00kg

The powder is an active ingredient in the mixture and it's proportion cannot be adjusted to suit conditions.

Tint if required should be uniformly added to the liquid component prior to mixing.

Ensure you have the latest mixing instructions, refer www.metz.net.au for current data sheet version.

(iii) Mixing Procedure

Remix liquid and hardener prior to use.

Mixing times and procedures are critical and must be carefully controlled.

Mix liquid and powder together for 2 - 3 minutes only. Add hardener gradually with constant stirring, mix for further 30 - 60 seconds. Material must be thoroughly wetted out and uniform in consistency. If using a small drill type mixer to ensure no unmixed material is applied to the floor, transfer to a new container and remix for 30 seconds.

(iv) Pot Life at 20°C

25 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.

(v) Clean Up

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

4. Installation:

It is recommended that the area to be coated is split into bays, so thickness can be monitored.

Locate mixing equipment as close to the working area as possible.

Apply with short nap roller to a nominal thickness of 250 microns per coat. One coat is recommended.

Ensure all finishing is completed within 15 minutes at 20°C.

5. Setting/Curing:

Initial set, at 20°C:	24 hours
Recoat time, at 20°C	minimum 16 hours maximum 72 hours
Full cure, at 20°C:	7 days

6. Storage:

Store materials between 10 and 30°C and protect from moisture. Shelf life is min. 6 months for all items.

7. Safety Precautions:

Use chemical goggles, PVC gloves and barrier cream.

Avoid contact with skin and eyes.

Avoid breathing dust.

For full safety precautions, refer to the Safety Data Sheets for all components.

Always ensure you have the latest data sheet version, refer www.metz.net.au

1. 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.
2. 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:
 - a) Metz shall not be liable for any loss or damage including consequential loss or damage or loss of profits arising thereby;
 - b) 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.