METZ VE PRIMER

DESCRIPTION:

Metz VE Primer is an epoxy vinyl ester primer specifically designed for use with Metz 16VE novolac vinyl ester systems.

FEATURES AND BENEFITS:

- Excellent Adhesion
  Outstanding bond to concrete and steel
- Chemical resistant to a wide range of chemicals
- Cures under adverse conditions
  Cures at temperatures down to 5°C
- Superior toughness and elongation properties
- Withstands temperatures to at least 80°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 16VE Lining
- Metz 16VE Topping
- Metz 16VE Coating

PHYSICAL PROPERTIES: (Typical Values)

Density g/cm^3:	1.0
Adhesion to concrete (ASTM D7234):	>1.5MPa (Concrete failure)
Max. Continuous Service Temp.:	80°C

COVERAGE: Theoretical quantities (allow for wastage)

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

METZ VE PRIMER

METZ®

INSTRUCTIONS FOR USE

1. Temperature of Working Area
   For optimum results, maintain a temperature of 15 - 30°C on air, substrate and components during application and curing.
   At temperatures below 15°C the application becomes more difficult and curing is retarded.
   At temperatures above 30°C, initial set may take place too rapidly. This difficulty can be overcome by mixing in a cooler area or by cooling the components.
   Note: Materials should be kept as cool as possible.

2. Surface Preparation
   All surfaces must be clean and free from all contaminants which may inhibit bond. For best results, surfaces should be dry. Concrete on grade should utilise a waterproof barrier beneath the slab.

   i) New Concrete - New concrete should have attained a compressive strength of 20 MPa minimum. Surface must be free from form oils and curing compounds. The surface should be a fine wood float finish and be 28 days old. Light abrasive blast, high pressure waterblast or grind to remove laitance and provide uniform textured surface. Surface moisture content should be less than 10%.

   ii) Old Concrete - Concrete must be sound. Remove laitance, loose deposits, old paints, protective coatings and attacked or deteriorated concrete. Chemically clean surface to remove any contaminants. All structural cracks should be repaired, all slopes re-established and all voids filled.

   iii) Metal - Abrasive blast to AS1627.4 Class 3 for immersion conditions and to Class 2 1/2 minimum for all other conditions, with a minimum blast profile of 50 microns. Check surfaces for soluble salt contamination.

3. Mixing
   a) Mixing Equipment
   Mechanical mixing is recommended. A low speed mixer or a heavy duty drill with an appropriate mixing paddle are suitable. High speed mixers should not be used.

   b) Mixing Proportions
   Metz VE primer products are supplied with a premeasured container of hardener for each pack.

   c) Mixing Procedure - Remix liquid prior to use for 2 minutes. Mix liquid and hardener together thoroughly for 3 minutes.

   At end of the mixing period material should be uniform in colour. 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

	Metz VE Primer
at 20°C	30 minutes

   Note: Increase in temperature will decrease pot life, as will leaving mixed material in a large mass.

   e) Clean Up - Mixing equipment, tools etc can be cleaned with acetone or Metz Cleaner prior to initial set.

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

4. Installation
   Metz VE Primer - Apply to prepared surface, then back-roll with short nap roller. Ensure total area is covered and surface is completely sealed. Apply more primer if necessary to seal surface. Allow primer to dry, then inspect surface for voids.
   Note: Metz VE Primer may be used with fillers such as Metz P6 or P8 Powder if airholes or small voids require filling prior to application of primer. In this case add powder to suit and use as a scratch coat, scraping off excess while leaving holes filled flush.

   Recoat times at 20°C:
   Minimum: 2 hours Maximum: 6 hours

5. Setting/Curing:

Setting Time	Full Cure
at 20°C 6 hours	at 20°C 3 days

   Do not allow water, chemicals or traffic on the material surface for a minimum of 24 hours. For harsh chemical or physical environments ensure full cure occurs.

6. Storage
   VE Primer liquid and hardener should be stored at temperatures below 25°C and should be kept away from all sources of heat for maximum shelf life. Store in a cool, dry place out of direct sunlight. Under these conditions shelf life is 6 months minimum for unpromoted liquid and for hardener. Promoted liquid has a reduced shelf life and should be used within 1 month. Liquid and hardener should be stored separately.
   Liquid is classed as DG Class 3- Flammable Liquid and hardener is classed as DG Class 5.2 –Organic Peroxide. All precautions associated with these classes should be observed.

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 Material Safety Data Sheets for all components.

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

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METZ SPECIALTY MATERIALS PTY LTD
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