

METZ 6B

EPOXY BEDDING CEMENT



DESCRIPTION:

Metz 6B is an epoxy resin based cement used for bonding ceramic tiles to concrete, sand/cement screeds or other ceramic tiles. It is fast setting, has good chemical resistance and will cure under adverse conditions.

FEATURES AND BENEFITS:

- Excellent Adhesion
Bonds to a wide variety of substrates, even when surfaces are damp.
- High Chemical Resistance
Resistant to a wide range of acids, alkalis, salts, fats and greases. Refer to Metz Chemical Resistance Chart under 6M.
- Fast Set
Fast initial set minimises downtime.
- Cures Under Adverse Conditions
Fully cures at temperatures as low as 5°C and relative humidity up to 100%.
- Quality Accreditation
The management system governing the development and manufacture of this product is proudly ISO9001:2008 certified.

RECOMMENDED:

For bonding ceramic tiles to concrete, sand/cement screeds or other ceramic tiles in -

- Commercial and industrial kitchens
- Food processing plants
- Beverage manufacture plants
- Dairies and milk products processing
- Restaurant, Hotel and Fast Food kitchens
- Chemical Industry
- Swimming Pools

PHYSICAL PROPERTIES:	(Typical Values)
Density:	1.70 - 1.80 g/cm ³
Compressive Strength:	70 MPa
Tensile Strength:	20 MPa
Adhesion to Unglazed Ceramic	4.2 MPa

COVERAGE: Theoretical quantities (allow for wastage)
Allow 1.75 kg/m² per mm of thickness.
If tile back is profiled, allow extra material for filling back.

APPLICATION TEMPERATURE:

The recommended temperature range for application is 5°C to 30°C.
At temperatures below 5°C, curing may be inhibited and final technical properties may be affected.



Your Acid Proofing & Industrial Flooring Specialist

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INSTRUCTIONS FOR USE

1. Temperature of Working Area

Maintain a temperature of between 5°C and 30°C on the Metz 6B components, brick or tile and substrate during mixing and application. Air temperature in the area where the Metz 6B is to be applied should also be between 5°C and 30°C. At temperatures below 5°C, the material will not cure properly. Consult Metz if temperature cannot be maintained above 5°C.

At temperatures above 30°C initial set will take place too rapidly. This difficulty can be overcome by mixing in a cooler area, or by cooling the mixing equipment with ice water, and by cooling the Metz 6B components.

2. Surface Preparation

i) New Concrete

New concrete should be at least 28 days old. Surface must be free from laitance, form oils and curing compounds.

ii) Old Concrete

Surface must be sound, and free from laitance, oil, grease and other contaminants.

Note: Preferred methods of concrete preparation are abrasive blasting, scabbling or grinding.

iii) Tiles and bricks

Tiles and bricks must be sound. Loose tiles or bricks must be removed and replaced with new tiles or bricks or Metz 25, or approved repair material.

Tile and brick surfaces must be free of all contaminants such as oil, grease and fat. Remove contaminants by scrubbing with a strong detergent and water, followed by thorough rinsing. Mechanical abrasion is then necessary to ensure adhesion.

Consult Metz if further details are required.

3. Mixing

a) Equipment

Mechanical mixing is recommended. A low speed resinous cements mixer or a heavy duty drill with a suitable mixing paddle can be used. Small quantities can be mixed by hand, using a trowel or spatula.

b) Mixing Proportions	By Weight	By Volume
Liquid	1.75	3.5 litres
Hardener	1.0	2.15 litres
Powder P2	8.75	1 x 20kg bag

Under no circumstances should the liquid to hardener ratio be altered. The powder proportion may be altered $\pm 10\%$ to suit.

c) Mixing Procedure

Thoroughly mix liquid and hardener together first, in correct proportions. Add powder gradually with constant stirring.

d) Pot Life 20 minutes at 25°C, approx.

Increase in temperature will decrease pot life, as will leaving material in a large mass. Spread out material in a thin layer.

e) Clean Up

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

4. Installation

Apply freshly mixed Metz 6B to substrate with suitable notched trowel and immediately set tiles in the bed. When fixing tiles with deeply keyed backs, prefill the keys with Metz 6B.

Do not spread more Metz 6B than can be covered in 20 minutes at 20°C. Do not place tiles on Metz 6B which has reached the end of its pot life.

5. Setting and Curing

Initial set at 20°C	2 to 3 hours
Full cure at 20°C	2 to 3 days

6. Storage

Store in original, sealed containers in a cool, dry place. Under these conditions minimum shelf life is 12 months.

7. Safety Precautions

a) Liquid and Hardener:

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

b) Powder:

Avoid breathing dust. Ensure adequate ventilation.

c) Cleaner:

Inflammable. No smoking. Avoid formation of sparks. Ensure adequate ventilation.

For full safety precautions refer to the Material Safety Data Sheet 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:
 - 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.

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