

# METZ 26C

## CERAMIC TILE ADHESIVE



### DESCRIPTION:

Metz 26C is a two part cement based ceramic tile adhesive consisting of Metz 26C Powder and Metz 8X2 Liquid. It is based upon a modified synthetic rubber latex and special additives.

### FEATURES AND BENEFITS:

- **Excellent Adhesion**  
Tenacious bond to concrete, brick and ceramics. Exceeds AS4992 for tensile adhesion strength and tensile adhesion strength after water immersion.
- **High Water Resistance**  
Unaffected by water.
- **Easy and Safe Use**  
Pot life up to 4 hours. Does not emit harmful vapours.

### RECOMMENDED:

Commercial, Industrial and Domestic applications:-  
Nominal bed thickness 1.5mm - 6mm

- Ceramic floor and wall tiles
- Mosaics
- Ceramic linings for swimming pools

### NOT RECOMMENDED:

- For bed thickness above 6mm. Refer instructions on Metz 8X2 data sheet only.
- Where excessive substrate movement may occur, including fibre cement sheet - Refer Metz 25, Metz HSA or Metz 27.

### PHYSICAL PROPERTIES:

	(Typical Values)
Adhesion:	
Standard AS4992.1 (a) Normal Setting Adhesives.	
Tensile adhesion strength (28 days), MPa	1.24 (requirement 0.5)
Tensile adhesion strength after water immersion (7 days CTR, 21 days water immersion), MPa	0.64 (requirement 0.5)
Density: (g/cm <sup>3</sup> )	1.5 - 1.6
Flexural strength:	
Before freeze/thaw	10.8 MPa
After 60 cycles freeze/thaw	10.6 MPa
Standard Colour:	Off-White

### COVERAGE:

Theoretical quantity (allow for wastage): 1.55 kg per sq. metre per mm. of thickness

### APPLICATION TEMPERATURE:

The recommended temperature range for application of Metz 26C is 10°C to 35°C.

At temperatures below 10°C, curing may be inhibited and final technical properties may be affected.

At temperatures above 35°C, consistency and setting rates may be affected.

If necessary, consult Metz.



Acid Proofing & Industrial Flooring • Specialty Ceramic Tiles



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### INSTRUCTIONS FOR USE

#### 1. Temperature of Working Area

Maintain a temperature of between 10°C and 35°C on the Metz 26C liquid, cement, tiles and substrate during mixing and application. Air temperature in the area where Metz 26C is to be applied should also be between 10°C and 35°C. At temperatures below 10°C, Metz 26C will not cure properly. Consult Metz if temperature cannot be maintained above 10°C.

At temperatures above 35°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 26C components.

#### 2. Surface Preparation

All surfaces must be clean. Concrete surfaces must be free from laitance, form oils and curing compounds. Concrete or cement rendered surfaces should have minimum 14 days cure.

Porous surfaces should be dampened with water prior to application of Metz 26C. Do not use Metz 8X2 liquid alone as a primer.

#### 3. Mixing

##### (a) Equipment.

A low speed mixer should be used. High speed mixers can break up the latex. Small amounts can be mixed by hand using a trowel. Do not beat air into mix.

##### (b) Mixing Proportions

	By Weight	By Volume
8X2 Liquid	1	1
26C Powder	3	2

6.7Ltrs of 8X2 Liquid per 20 kg bag of 26C Powder.

Proportions can be varied +/- 10% to suit conditions.

Note: Ensure you have the latest mixing instructions, refer [www.metz.net.au](http://www.metz.net.au) for current data sheet version.

##### (c) Mixing Procedure

Re-mix liquid slowly before use. Add powder to the liquid gradually with constant stirring. Ensure complete mixing.

##### (d) Pot Life

3-4 hours at 20°C

##### (e) Open Time

Approx. 20 minutes at 20°C. (Time after application of adhesive during which tiles must be laid).

Note: Increase in temperature will reduce both pot life and open time. Every 10°C will approximately halve both times. Wind and humidity may also affect open time.

#### 4. Installation

Spread only sufficient adhesive to cover an area that can be tiled within the open time of the product (20 minutes at 20°C). Do not lay tiles over adhesive that has skinned. For Mosaics and flat back tiles having dimensions less than 200 x 200 mm use 6 x 6 mm notched trowel. For larger tile sizes the following notched trowel sizes are recommended: - refer AS3958.1

- 200 x 200 mm - 8 mm notched trowel
- 250 x 250 mm - 10 mm notched trowel
- 300 x 300 mm - 12 mm notched trowel
- 400 x 400 mm - and above - 12 mm notched trowel plus buttering of the tile.

In all cases aim to achieve 100% tile coverage with Metz 26C.

Keyed back tiles: Fill keys with adhesive prior to laying.

Clean off any excess adhesive with water before it begins to set.

#### 5. Setting/Curing:

Setting Time: overnight at 20°C

Full Cure: 7 days at 20°C

#### 6. Storage

Protect Metz 8X2 Liquid from frost and low temperatures.

Store powder in a dry cool place. Protect bags from moisture. Under these conditions, minimum shelf life is 6 months.

#### 7. Safety Precautions

General precautions for handling chemical products should be followed. Avoid contact with skin and eyes. Wear gloves and safety glasses. Avoid breathing dust.

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

Always ensure you have the latest data sheet version, refer [www.metz.net.au](http://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:
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  - 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.

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