

METZ C200

THIXOTROPIC EPOXY ADHESIVE



DESCRIPTION:

Metz C200 is a thixotropic two-component, solvent-free epoxy specifically designed for use with Metz Carbon Laminate Strips for structural strengthening.

Metz C200 is used as an adhesive for Metz Carbon Laminate Strips.

It can also be used to bond ceramic tiles including Metz Presto Ceramic Facade pieces.

FEATURES AND BENEFITS:

- Self-priming
- Low VOC
- Non-slump, can be applied on vertical and overhead installation
- Excellent Adhesion
- Adhesive for bonding structural reinforcement
- Solventless
100% solids system.
- Cures under adverse conditions
- Long pot life
- Quality Accreditation
The management system governing the development and manufacture of this product is proudly ISO9001:2015 certified.

RECOMMENDED:

To be used with Metz Carbon Laminate Strips.

To be used as a general purpose epoxy adhesive.

PHYSICAL PROPERTIES: (Typical Values)

Density g/cm ³ :	1.06
Adhesion to concrete (ASTM D7234):	>1.5MPa (Concrete failure)
Max. Service Temp.:	100°C
Colour:	Grey (other colours by special order)
Compressive Strength (AS 1012.9):	>25MPa (7 days)
Flexural Strength (ASTM C580):	>15MPa (7 days)

COVERAGE: Theoretical quantities (allow for wastage)

1.1kg/m² per mm of thickness. Final usage depends upon surface roughness, wastage etc.

INSTRUCTIONS FOR USE

1. Temperature of Working Area

For optimum results, maintain a temperature of 5°C to 30°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 30°C, the working time decreases.

2. Surface Preparation

Concrete should normally be at least 28 days old and have surface moisture content of less than 10%.

All surfaces must be sound, clean, smooth and free from oil, grease, water and other contaminants which may inhibit bond. To ensure maximum bond strength grind substrate to ICRI CSP2 standard minimum.

Fill up any holes and remove all sharp edges and protruding surfaces.

Remove all standing water.

3. Mixing

a) Mixing Equipment

Mechanical mixing is recommended.

A low speed drill with appropriate mixing paddle is suitable. Ensure no air is entrained.

b) Mixing Proportions

	By Weight	By Volume
C200 Part A	4.6	5
C200 Part B	1	1

Note: the liquid to hardener ratio must not be altered under any circumstances

c) Mixing Procedure

Mix Part A and Part B together thoroughly for a minimum of 30 seconds and at least until all material is on consistent appearance.

Ensure complete mixing.

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

at 20°C	120 minutes
at 30°C	60 minutes
at 40°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 Metz Cleaner, xylene, acetone or MEK prior to initial set of cement.

4. Installation

Apply to concrete using appropriate trowel for the application.

For Metz Carbon Laminate Strip use appropriate steel trowel or purpose made 'butter box' to apply adhesive in a thin layer approx 2-3mm thick. Full contact coverage between carbon and concrete is required.

For ceramic tiles use steel trowel to apply to required thickness. Min 2mm is recommended in final tile position. Use wedges or other tile supports as required to maintain position prior to adhesive set.

5. Setting/Curing

Minimum open time	60 min (at 20°C)
Setting time	12 hours (at 20°C)

6. Storage

Store in original sealed containers in cool dry place between 10°C to 30°C. Under these conditions minimum shelf life is 12 months.

7. Standard Pack Size

Metz C200 Part A	13.8kg drum
Metz C200 Part B	3.0kg drum

8. Safety Precautions

Part A and Part B

Use chemical goggles, PVC gloves and barrier cream.

Avoid contact with skin and eyes.

For full safety precautions refer to Safety Data Sheets for both components.

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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 - 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.