

METZ 19C

EPOXY TILE GROUT



DESCRIPTION:

Metz 19C is a water washable, 3-part epoxy resin, specifically formulated for filling joints in ceramic tiles. Metz 19C shows excellent colour stability with exposure to sunlight. Metz 19C is available in narrow joint (1-3mm) and wide joint (4-8mm) formulations.

FEATURES AND BENEFITS:

- Chemical Resistant
Resists dilute acids and alkalis, as well as salts, oils and fats.
- Good UV stability
Low tendency to yellow.
- High Bond Strength
Excellent adhesion to tile surfaces.
- Hygienic
Dense impermeable surface, easily cleaned to reduce bacterial growth.
- Water Washable
Excess grout is easily cleaned from tiles and equipment by water, rather than solvents.
- Available in formulations for narrow (1-3mm) and wide (4-8mm) joints.

RECOMMENDED:

For jointing ceramic tiles in the following areas:

- Residential and Commercial
- Swimming Pools
- Hospitals and Institutions
- Fast Food Restaurants
- Commercial Kitchens
- Pharmaceutical Manufacture
- Food Processing
- Beverage Manufacture

NOT RECOMMENDED:

- For application at low temperatures.
- For bonding to damp surfaces.
- For resistance to strong acids and solvents. Refer Metz 70 and Metz 5NF.
- For dark colours where colour stability in UV is not required - refer Metz 19.

PHYSICAL PROPERTIES:

(Typical Values)

Density:	<i>Narrow Joint:</i> 1.55 - 1.65g/cm ³ <i>Wide Joint:</i> 1.70 - 1.80g/cm ³
Compressive Strength:	75 MPa
Tensile Strength:	25 MPa
Coefficient of Thermal Expansion:	45 x 10 ⁻⁶ per °C
Standard colours:	<i>Narrow Joint:</i> White <i>Wide Joint:</i> Ivory
Other Colours:	Manufactured to order

COVERAGE:

Theoretical quantities (allow for wastage)

200 x 200mm wall tiles	6mm x 1.5mm (narrow) joints	0.15 kg per sq.m.
244 x 119mm pool tiles	7.5mm x 6mm (wide) joints	0.95 kg per sq.m.

APPLICATION TEMPERATURE:

The recommended temperature range for application 10°C to 30°C.

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

At temperatures above 30°C, consistency and setting rates may be affected.

If necessary, consult Metz.



Acid Proofing & Industrial Flooring • Specialty Ceramic Tiles



METZ 19C

EPOXY TILE GROUT



INSTRUCTIONS FOR USE

1. Temperature of Working Area

Maintain a temperature of between 10°C and 30°C on the components, tiles and substrate during mixing and application. Air temperature in the area where Metz material is to be applied should also be between 10°C and 30°C. At temperatures below 10°C, the material will not cure properly. Consult Metz if temperature cannot be maintained above 10°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 with ice water.

2. Surface Preparation

All surfaces to be jointed must be clean and dry. Remove traces of tile adhesive visible at the tile surface.

3. Mixing

a) Equipment

Mechanical mixing is recommended. A low speed dough 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

<i>Narrow joints (1-3mm)</i>	By Weight	By Volume
Liquid	2.5 parts	5.4 litres
Hardener	1 part	2.5 litres
P3 Powder	8 parts	1 x 20kg bag

<i>Wide joints (4-8mm)</i>	By Weight	By Volume
Liquid	2.5 parts	4.3 litres
Hardener	1 part	2.0 litres
P1 Ivory Powder	10 parts	1 x 20kg bag

For white or ivory use neutral liquid. Other colours use liquid of required colour.

c) Mixing Procedure

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

Note: Liquid to hardener ratio must not be altered under any circumstances. Powder proportion may be altered $\pm 10\%$ to suit requirements.

d) Pot Life

Approximately 1 hour at 20°C. Pot life decreases with increase in temperature, and increases with decrease in temperature.

e) Clean Up

Mixing equipment and tools can be cleaned with water prior to initial set of the grout.

4. Installation

Ensure joint surfaces are clean and dry.

Apply mixed cement by trowel, squeegee, or similar.

Ensure complete filling of the joints.

Remove excess grout from tile surfaces with sponge or clean, absorbent material dampened with minimum amount of clean water before grout begins to set (usually within 30 minutes of applying).

NOTE: Use of excess water when cleaning off will result in decreased hardness and chemical resistance of the joint surface. Surface may also discolour.

a) Setting Time Overnight at 25°C.

b) Curing Time 7 days at 25°C.

Note: Minimum curing temperature is 10°C.

5. Storage

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

6. Safety Precautions

a) Liquid and Hardener:

Avoid contact with skin and eyes.

Use chemical goggles, PVC gloves and barrier cream.

b) Powder:

Avoid breathing dust.

Use dust respirator and chemical goggles.

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

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.

REV 03/15

METZ SPECIALTY MATERIALS PTY LTD

A.C.N. 140 636 639

15A Stanton Road, Seven Hills NSW 2147
Facsimile: (02) 9671 4292 Phone: (02) 9671 1311

6 University Place, Clayton North, VIC 3168
Facsimile: (03) 9561 6944 Phone: (03) 9561 6144

Unit 16, 42 Smith Street, Capalaba QLD 4157
Facsimile: (07) 3823 5552 Phone: (07) 3823 5555

Distributor