

METZ 20B

POLYURETHANE MOVEMENT JOINTING



DESCRIPTION:

Metz 20B is a two-part polyurethane based compound used as a movement jointing compound where toughness and good chemical resistance are required.

FEATURES AND BENEFITS:

- **Chemical Resistant**
Resistant to a wide range of acids, alkalis, oils and salts. Limited solvent resistance. Refer to Metz for chemical resistance details.
- **Flexible but Tough**
Toughness combats fretting of joint edges caused by heavy traffic, unlike softer materials such as silicone.
- **High Bond Strength**
Good adhesion to ceramic tile, steel and concrete.

RECOMMENDED:

As a movement joint compound in ceramic tile, brick, monolithic toppings and concrete in

- Commercial Kitchens
- Food and Beverage Industry
- Swimming Pools
- Pharmaceutical Manufacture
- Power Stations
- Chemical Plants
- Industrial and Heavy Engineering Plants

NOT RECOMMENDED:

- As a movement joint requiring movements greater than $\pm 10\%$.
- For exposure to large quantities of solvents.

PHYSICAL PROPERTIES: (Typical Values)

Density:	1.4 - 1.5 g/cm ³
Tensile Strength:	10 MPa
Hardness, Shore D	40
Adhesion to Steel:	27 MPa
Elongation at break:	100%
Colour:	Black (Other colours made to order. Note that light colours are not UV colourfast).
Max. service temperature (continuous):	100°C

COVERAGE: Theoretical quantities (allow for wastage)

For 6mm x 12mm joint 0.11 kg/lin.meter

One unit will cover approximately 27 lin.m of 6mm x 12mm joint excluding wastage.

APPLICATION TEMPERATURE:

The recommended temperature range for application of Metz20B 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.



METZ 20B

POLYURETHANE MOVEMENT JOINTING



INSTRUCTIONS FOR USE

1. Temperature of Working Area

The recommended temperature range for application of Metz 20B 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.

2. Surface Preparation

All surfaces to be jointed must be clean and completely dry. In instances where it is not possible to provide a completely dry surface, contact Metz for details of suitable primers.

3. Mixing

a) *Mixing Equipment*

Mechanical mixing is recommended. A low speed heavy duty drill or Festo mixer with a suitable mixing paddle can be used. Use equipment and procedures which minimize the entrapment of air in the mix.

b) *Mixing Proportions*

Metz20B is supplied in preweighed units of 3 kgs (2 lbs), consisting of 2.4 kg of liquid and 0.6 kg of hardener.

c) *Mixing Procedure*

Pour contents of hardener container into liquid container. Mix thoroughly for 2-3 minutes. Ensure thorough mixing. Mix around edges and bottom of container.

d) *Pot Life:*

Approx. 30 minutes at 20°C.

e) *Clean Up*

Mixing equipment, tools, etc., can be cleaned with MetzCleaner, xylene, acetone or MEK prior to initial set of the Metz20B.

4. Installation

Use of Metz Epoxy Primer is required for immersion conditions or where surfaces cannot be completely dried (refer to Metz Epoxy Primer Data Sheet for instructions for use). Metz 20B should be applied 4 to 24 hours after application of primer (at 20°C).

Regulate the joint depth by placing oversize polyethylene rod or equivalent in the joint. Recommended depth is 12mm. Minimum width 6mm.

Apply masking tape to floor on both sides of joint. Pour or gun Metz20B into joint. Overfill joint slightly. Allow Metz20B to settle, then smooth joint with spatula or similar before initial set takes place. If joint has sunk, apply more Metz20B before initial material sets. After finishing joint, remove masking tape immediately.

5. Setting/Curing

Setting Time: Overnight at 20°C
Full Cure: 7 days at 20°C.

6. Usage Theoretical Quantity (allow for wastage)

For 6mm x 12mm joint 0.11 kg/lin.metre. One unit will cover approximately 27 lin.m of 6mm x 12mm joint excluding wastage.

Note: Joints should be a maximum 15mm deep to allow for movement.

7. Storage

Shelf life is at least 6 months if liquid and hardener kept in sealed containers under cool dry conditions. Hardener will react with moisture in air if left exposed.

8. 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 the Material Safety Data Sheets for both components.

Note: Neither liquid nor hardener is classified as Dangerous Goods for transportation.

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 of 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 01/08

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