



METZ 9AEJ

CASHEW RESIN MOVEMENT JOINTING



DESCRIPTION:

METZ 9AEJ is a modified cashew nut resin compound used as a movement jointing compound where high chemical and temperature resistance is required.

FEATURES AND BENEFITS:

- **Exceptional Chemical Resistance**
Resistant to strong acids and alkalis such as 70% sulphuric, glacial acetic and 50% caustic soda. Refer Metz Chemical Resistance Chart.
- **High Temperature**
Suitable for continuous service conditions up to 175°C.
- **Tough**
Resists damage due to heavy traffic.
- **Durable**
Under severe conditions gives greatly extended life over polysulphides, silicone and polyurethanes.
- **Impermeable**
Prevents ingress of deleterious liquids.

RECOMMENDED:

- Petrochemical Plants
- Food and Beverage Manufacture
- Heavy Industry Applications
- Chemical Processing
- Commercial Kitchens
- Dairies

NOT RECOMMENDED:

- When placed in service under 7 days from installation.
- Exposure to solvents. Limited resistance.
- Movement greater than 10% compression.
- When joint is subject to expansion.
- Joint depth less than 12mm.

PHYSICAL PROPERTIES:

	Typical Values
Density:	0.9 - 1.0 g/cm ³
Temperature Limit:	175°C
Tensile Strength:	20 MPa

COVERAGE:

Theoretical quantity (allow for wastage)	
Joint 6mm x 20mm	0.12 kg per lin. metre of joint

APPLICATION TEMPERATURE:

The recommended temperature range for application of METZ 9AEJ is 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.





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INSTRUCTIONS FOR USE

1. Temperature of Working Area

Maintain a temperature of between 10°C and 30°C on METZ components, brick or tile and air during mixing and application.

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.

2. Surface Preparation

Expansion joints must extend through to the substrate. Any bedding cement or other contamination must be removed from joint. Regulate the joint depth by placing compressible filler strip in joint. All surfaces to be joined must be clean and dry.

3. Mixing

METZ 9AEJ liquid should be warmed to 25°C to 30°C prior to use.

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

	By Weight	By Volume
Liquid	1.0	1.0
Powder	1.0	1.2

c) Mixing Procedure

Required amount of heated liquid should be placed in mixing container. The powder should be added gradually with constant stirring to prevent formation of lumps.

d) Pot Life

Approx. 45 minutes at 20°C.

e) Clean Up

Use a paraffin based cleaner (e.g. Kerosene).

4. Installation

When bedding tiles, place styrene strip in expansion joints to prevent ingress of bedding mortar.

a) Masking of Tiles

To facilitate cleaning of tiles, they should first be coated with METZ Masking Compound. This compound is applied sparingly with a lambswool roller. At least two coats are recommended, with great care being taken to ensure that it does not run down the sides of the joint. The Masking Compound should be allowed to dry (approx. 1 hour) before the second coat is applied. For porous tiles, three coats or more may have to be applied.

b) Application

METZ 9AEJ is either gunned or poured into the joints. Ensure that joints are overfilled by 3-5mm to allow for subsidence. If joints sink, top up with more METZ 9AEJ immediately. After the METZ 9AEJ has set sufficiently (1-3 days, depending on temperature), cut off excess with sharpened paint scraper or similar, ensuring that the scraper does not dig into the joint. To ensure a smooth surface, finish joint with a clean cloth dampened with kerosene. Remove Masking Compound by using water and a scrubbing machine.

c) Setting and Curing Time

METZ 9AEJ hardens progressively over a long period. Allow at least one week before subjecting joints to mechanical or chemical stresses.

5. Safety Precautions

Liquid and Powder:

Use chemical goggles, PVC gloves and barrier cream. Ensure adequate ventilation. Use dust respirator.

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

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