

METZ 8

CHEMICAL RESISTANT SILICONE SEALANT



DESCRIPTION:

Metz 8 is a one-part specially formulated silicone sealant, which is suitable for use as a movement jointing material in aggressive chemical environments. Metz 8 is resistant to a wide range of chemicals, including strong acids and alkalis and chlorine solutions.

FEATURES AND BENEFITS:

- **Excellent Chemical Resistance**
Resistant to a wide range of chemicals including 50% sulphuric, 10% nitric, 20% hydrochloric, glacial acetic acids and 50% sodium hydroxide (all at 20°C).
- **Withstands temperatures from -50 to 120°C**
- **One-part, ready to use**
- **Non-sag**
Can be used in vertical joints.
- **Flexible**
Can accommodate joint movements of 25%.
- **Quality Accreditation**
The management system governing the development and manufacture of this product is proudly ISO9001:2015 certified.

RECOMMENDED:

As a movement jointing compound in acid-proof brick or tile or Metz Monolithic toppings and concretes in:

- Secondary Containment Linings
- Acid Plants
- Fertilizer Plants
- Oil Refineries

NOT RECOMMENDED:

- For immersion in concentrated inorganic acids (e.g, 98% sulphuric acid, 70% nitric acid, 36% hydrochloric acid) or within molten sulfur pits - refer Metz Viton Caulk.
- For exposure to large quantities of solvents.
- For heavy traffic areas - refer Metz 20B or Metz 20DSS.
- For application to bituminous materials.

PHYSICAL PROPERTIES (Typical Values)

Hardness, Shore A	27-37
Elongation:	>400%
Tensile strength:	>1 MPa
Colour:	Grey

COVERAGE:

Theoretical quantity (allow for wastage)

One 600 ml sausage will cover 6 lin.metres of 10 mm wide x 10 mm deep joints.

For areas where a 10 x 10mm joint is not possible ensure a 1:1 ratio joint, min depth and width is 8mm



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INSTRUCTIONS FOR USE

1. Temperature of Working Area

Maintain a temperature of between 5°C - 35°C on substrate and air during mixing, application and cure. At temperatures below 5°C, curing may be inhibited and final technical properties may be affected. At temperatures above 35°C surface of product may skin too rapidly.

2. Surface Preparation

All surfaces to be jointed must be clean and dry. Remove all oil, grease and other contaminants that may inhibit bond.

3. Installation

Use of Metz Epoxy Primer is recommended for use on

- concrete and other masonry surfaces
- surfaces which cannot be completely dried prior to application

Refer to Metz Epoxy Primer data sheet for instructions for use. Metz 8 should be applied 4 to 24 hours after application of primer (at 20°C).

The depth of the joint should not generally exceed the width. Regulate the joint depth by placing oversize polyethylene rod or equivalent in the joint. If joint is not deep enough to use the rod, plastic tape or other bond-breaking material should be placed in the bottom of the joint. Apply masking tape on both sides of the joint. Fit the Metz 8 sausage into a suitable cartridge gun, and gun firmly into joint. Push Metz 8 firmly ahead of gun to ensure complete filling of the joint, and good adhesion. Guide the nozzle gradually along the joint, applying an even pressure. Smooth joint surface immediately after application with a spatula or similar. After finishing joint, remove masking tape immediately.

4. Clean-up

Tools and equipment should be cleaned with Metz Cleaner, xylene, acetone or MEK prior to initial set of Metz 8.

5. Setting/Curing

Finishing time: 20 minutes at 25°C.

Curing rate: Metz 8 cures by reaction with atmospheric moisture. Approx. 3mm depth will cure in the first 24 hours at 25°C and the balance of the depth will cure at the rate of 1 mm per day (e.g, 10mm of Metz 8 will take 8 days to cure at 25°C). Ensure joints are fully cured before being placed into service.

6. Storage

Store in original sealed sausages in dry conditions at temperatures between 5°C and 30°C. Under these conditions, shelf life is 24 months.

7. Safety Precautions

Avoid contact with skin and eyes. Wear safety glasses or goggles and appropriate gloves.

For full safety precautions, refer to the Safety Data Sheets for Metz 8.

Refer www.metz.net.au for latest data sheet version.

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.

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