



# METZ 20P

## POLYURETHANE MOVEMENT JOINTING FOR SWIMMING POOLS



### DESCRIPTION:

METZ 20P is a two-part polyurethane based compound specifically designed as a movement jointing compound in tiled swimming pools. Metz 20P displays excellent resistance to swimming pool chemicals. Metz 20P-VG is a vertical grade formulated for steep sloping or vertical surfaces.

### FEATURES AND BENEFITS:

- **Chemical Resistant**  
Resistant to a wide range of chemicals including hypochlorite and acid solutions normally encountered in swimming pool water.
- **Flexible but Tough**  
Tougher than general use silicones and other commonly used movement jointing materials.
- **High Bond Strength**  
Good adhesion to ceramic tile, steel and concrete.

### RECOMMENDED:

As a movement joint compound in ceramic tile systems for all types of swimming pools. Can also be used as a movement joint in tiles and monolithic coatings in:

- Commercial Kitchens
- Pharmaceutical Manufacture
- Food and Beverage Industry
- Coolrooms

### NOT RECOMMENDED:

- As a movement joint requiring movements greater than  $\pm 10\%$ .
- For exposure to heavy vehicle traffic refer Metz 20B.

### PHYSICAL PROPERTIES:

(Typical Values)

Density:	1.4 -1.5 g/cm <sup>3</sup>
Tensile Strength:	10 MPa
Hardness, Shore D	40
Tear Propagation Resistance:	27MPa
Elongation at break:	100%
Colour:	Ivory (Other colours made to order. Note that light colours are not UV colourfast).

### COVERAGE:

One 2 litre unit will cover approximately 30 lin.m of 5mm x 10mm joint excluding waste.

### APPLICATION TEMPERATURE:

The recommended temperature range for application of METZ 20P 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.



CHEMICAL & CORROSION RESISTANT  
MATERIALS OF CONSTRUCTION





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### INSTRUCTIONS FOR USE

#### 1. Temperature of Working Area

The recommended temperature range for application of METZ 20P 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.

#### 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 Metz Epoxy Primer.

#### 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*

METZ 20P is supplied in preweighed units of 3 kgs (2 L), 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 to avoid unmixed components.

##### d) *Pot Life:*

Approx. 30 minutes at 20°C.

##### e) *Clean Up*

Mixing equipment, tools, etc., can be cleaned with METZ Cleaner, xylene, acetone or MEK prior to initial set of the METZ 20P.

#### 4. Installation

If necessary regulate the joint depth by placing oversize polyethylene rod or equivalent in the joint. Recommended depth is 10mm. Minimum width 5mm. If joint is not deep enough to use polyethylene rod, use polythene tape as a bond-breaker on bottom of joint. Apply masking tape to floor on both sides of joint. Pour or gun METZ 20P into joint. Overfill joint slightly. Allow METZ 20P to settle, then smooth joint with spatula or similar before initial set takes place. If joint has sunk, apply more METZ 20P before initial material sets. After finishing joint, remove masking tape immediately. For sloping or vertical surfaces, use Metz 20P-VG vertical grade.

When surfaces cannot be completely dried refer to Metz for details of Metz Epoxy Primer.

#### 5. Setting/Curing

Setting Time: Overnight at 20°C

Full Cure: 7 days at 20°C.

#### 6. Usage Theoretical Quantity (allow for wastage)

For 5mm x 10mm joint. One unit will cover approximately 30 lin.m joint excluding wastage.

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

#### 7. 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

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