

# SOPRA Joint 200

## Two Part Low Modulus Polyurethane Joint Sealant

### Description

**SOPRA** Joint 200 is a two component, low modulus, polyurethane - based building joint sealant. When mixed, it chemically cures to form a tough rubber - like seal with excellent adhesion to most surfaces. The product exhibits excellent weathering resistance in Middle Eastern conditions and conforms with key international standards. **SOPRA** Joint 200 is available in gun and pouring grades for ease of application.

### Uses

For sealing movement joints in buildings, pre-cast panels, curtain and panel walls, connecting joints, perimeter joints around doors and windows and tunnels.

### Advantages

- \* Excellent application characteristics.
- \* Excellent adhesion to most building substrates.
- \* Forms elastomeric seals. accomodating thermal cyclic movement.
- \* Suitable for both horizontal and vertical joints.
- \* Conforms with major international standards.
- \* UV resistant

### Standards Compliance

US Fed. Spec. TT-S-00227 E, Class A  
ASTM C 920

### Fire Rated System

A three - hours Fire and Temperature rated system according to ANSI/UL 263, ASTM E119, NFPA No.251

### Properties

Form	Viscous Paste
Colours	White, Grey, Pearl ash, Colonial tan, Manor white, Aluminium stone,
Solids Content, %	100
Specific gravity @ 20°C	1.4
Cure	Chemically cures to solid rubber
Application temp; C	5-50
Application life @ 35 °C, min.	60
Initial setting time @ 35°C, hrs.	6
Tack free time @ 35 °C, hrs.	30
Hardness, Shore 'A', ASTM C 661	25
Movement accomodation factor, %	30
Elongation @ breaking point, %	400

### Packaging

4 litre steel cans.  
2 litre steel cans.

### Storage

12 months minimum storage life when stored in original containers kept in cool and dry conditions.

### Application Instructions

#### Joint Preparation

Joint surfaces must be clean, dry and dust free. Mechanical preparation of surfaces with grinding, sandpaper or emery paper is recommended. Contamination can be removed by wiping with a degreasing solvent such as acetone. Edges of joints can be covered with masking tape for a neat finish which should be removed immediately after sealing work is complete. Place debonding tape at the bottom of the joint to allow free movement of sealant. A suitable backing rod, where necessary, can be used to regulate correct joint dimension.

#### Joint Design Criteria

**SOPRA** Joint 200 may be applied to joints between 5 and 50 mm wide. Cyclic movement joints should be designed to an optimum width:depth ratio of 2:1 based on the following minimum sealant depth:

5 mm for non-porous surfaces.  
10 mm for porous surfaces.

To ensure that the sealant remains within its stated movement capability, the joint width should be at least four times the anticipated movement.

#### Priming

Use **SOPRA** Prime 200 for pouring grade and **SOPRA** Prime 75 for gun grade **SOPRA** Joint 200.

#### Mixing and Gun Loading

The entire hardener pack should be added to the base container along with the colour paste. The three components should be mixed thoroughly for at least five minutes using the recommended mixing paddle and a slow speed electric drill of 500 rpm making sure that unmixed components do not remain at the bottom or at the sides of the container.

After mixing, fill up the sealant gun with **SOPRA** Joint 200 and fix the cap with required nozzle to the gun.

#### Application

Extrude the sealant into joint ensuring contact with joint faces and avoiding any air voids. **SOPRA** Joint 200 should be smoothed using appropriate tools.

#### Cleaning

Uncured **SOPRA** Joint 200 can be cleaned with **SOPRA** Solvent III.

### Precautions

#### Health and Safety

The hardener of **SOPRA** Joint 200 contains diisocyanate. It should be used in well ventilated areas. Skin contact and inhalation of vapour should be avoided. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made wash off immediately with soap and water. Gloves should be used during application.

### Technical Support

**SOPRA** provides on-site assistance and consulting services on projects when requested. Technical data sheets on other **SOPRA** products and guidance on their use are available on request.

### Warranty

**SOPRA** products are guaranteed against defective materials and manufacture and sold subject to **SOPRA** standard terms and conditions of sale. Whilst **SOPRA** endeavours to ensure that any advice, information or recommendation given is correct, the company can not accept any liability either directly or indirectly arising from the use of its products, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. **SOPRA** policy is one of continuous improvement and the company reserves the right to change its products without prior notice.