

SOPRA JOINT 300

Description

SOPRA JOINT 300 is a two-part high performance, elastomeric joint sealant. It is based on a polysulfide polymer. When mixed, it cures through a chemical reaction to form a tough rubber-like seal with excellent adhesion to concrete, stone, metals and many other common building substrates. Suitable for use in hot and tropical climatic conditions. **SOPRA JOINT 300** is available in both gun and pour grades.

Recommended Uses

SOPRA JOINT 300 is ideally designed for use in the following applications:

- Expansion joints in floors
- Parapet wall joints.
- Bridge deck joints
- Reservoir joints/groove sealing, crack repairing
- Trafficable joints, airport runways, car park, roads.
- Expansion and construction joints.

Features and benefits

- Easy to use
- Economical
- Excellent adhesion with many materials
- Good chemical resistance
- Permanently elastic
- UV-resistance

Standards Compliance

SOPRA JOINT 300 complies with the following standards:

Gun Graded:

- BS EN ISO 11600 F 25 LM.
- BS4254 : 1983.
- BS6920 : 1996.
- ASTM C920, Type M, Grade NS, Class 25.

Pour Graded:

- BS 5212 1990 TYPE FB (includes types N & F)
- ASTM D2369

Packaging

SOPRA JOINT 300 is available in 2.5 Liter Pail.

Storage

SOPRA JOINT 300 has a shelf life of 12 months. Store in temperatures between 5-35 °C.

Product data

SOPRA JOINT 300	
Colour	Grey
Solid content	100%, pass the lead requirements for the VOC content
Typical shore A hardness: ASTM D2240	20 ± 5 for G.G
Pot life	2 hr @ 20°C 40 - 60 min @ 35°C
Recommended working ambient temperature	5 - 45°C
Service temperature	-35 - 80°C
Service life	Around 15 years (no external forces affecting the sealant)
UV resistance:	Good
Movement capability	± 25%
VOC: ASTM D2369	< 10 g/ltr (complies with LEED)

Application Instructions

a) Surface preparation

The Substrate should be sound, clean and free from contamination. Surface laitance should be removed by scrubbing or grit blasting. Concrete surfaces should be dry.

b) Primer

It is recommended to use primer on the substrate before applying the joint sealant to increase the adhesion bond between the sealant and the joint. We recommend using **SOPRA PS 101** as a primer on the substrate.

Using small brush apply one thin coat at the joint sides and avoid over priming. It is recommended to apply the mixed **SOPRA JOINT 300** while the primer is still wet.

c) Mix

Gun grade:

The base and curing agent ratio control the adhesion, flexibility, durability and strength of **SOPRA JOINT 300**. The components must therefore be thoroughly mixed. The curing agent and base component are supplied within the same tin and ready for mixing. Mix thoroughly using slow speed drill fitted with proper mixing paddle for 2-4 minutes. Scrape sides and bottom of the tin and mix again for extra 2 minutes.

Pouring grade:

SOPRA JOINT 300 pouring grade is supplied in two separate tins. the curing agent can be found in the small tin which should be transferred to the larger (base) tin. To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

d) Application

SOPRA JOINT 300 should be tooled to a smooth finish. A minimum of surface lubricant such as dilute detergent solution may be used to assist the process. Any masking tape should be removed immediately after tooling.

- To reduce the effect of this problem, try to store the unmixed materials in a cool environment, avoiding the direct sunlight. Also, try not to make the application in the middle of the day or direct sunlight.

e) CLEANING OF TOOLS

Tools and application equipment should be cleaned with water immediately after use. Cured material can only be mechanically removed.

Precautions

SOPRA JOINT 300 is non-hazardous material. It should not be swallowed or come in direct contact with skin or eyes. Suitable protective glasses and gloves should be worn during application. In the case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice if irritation occurs. When contact with skin occurs, wash off immediately with clean water and soap. If swallowed, seek medical emergency immediately, do not induce vomiting.

Technical Support

Sopra provides on-site assistance and consultation services on projects if required. Technical Datasheets on other **Sopra** products and guidance on their use are available on request or on our website.

Warranty

The information relating to the application and end-use of **Sopra** products, are provided in good faith based on **Sopra's** current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with **Sopra** recommendations. In practice, the differences in substrates and actual site conditions are such that no warranty in respect of sale for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must do their test to insure that the product is suitability for the intended application and purpose. The company reserves the right to change the properties of its products without prior notice.