



# PREFLEX 300

## Two-Part Polysulphide Sealant

### DESCRIPTION

PREFLEX 300 is a two-part polysulphide joint sealant which is available in pouring and gun grade. It is supplied as a two-component sealant which is mixed and applied to movement and expansion joints in both vertical and horizontal applications.

### USES

PREFLEX 300 is designed for sealing movement and expansion joints in concrete and masonry structures where excellent chemical resistance is required. Structures include retaining walls, movement joints, underground structures, reservoirs.

### ADVANTAGES

- Cures to form a flexible but tough seal.
- Excellent adhesion to wide range of substrates.
- Meets recognized standards.

### COMPLIANCE

PREFLEX 300 complies with BS5212 1990 type FB (includes types N and F).

Complies with BS4254:1983

ISO1600:1993 type F class 25LM

Property	Value
Appearance	Grey
Movement factor	30% (Tension and Compression)
Curing time	Typically 3 days at 20°C.
Application Temperature	5°C to 35°C
Service temperature	-40°C to +80°C
UV Resistance	Good
Chemical Resistance	Resistant to most alkalis and dilute acids, petrol, diesel, jet fuel and other Solvents, vegetable oils and sugars.

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### PROCEDURE

**Surface Preparation:** The substrate should be clean dry and free from dirt grease and other deleterious materials. Any contamination should be removed by grinding the faces of the joint. Metal surfaces should be free from rust and other contaminants. The joint filler board should be recessed to its suitable depth ensuring that the joint depth is no greater than 25mm, and typically no greater depth than the width of the joint, a bond breaking tape should be inserted to the top face of the recessed filler board, to prevent adhesion of the sealant to the sealer board. Masking tape may be applied to the side of the joint to create a neat finish.

**Priming:** Porous substrates should be primed using PREFLEX POROUS PRIMER, which is brush applied to the faces of the joint. A thin coat should be applied and allow to dry for approximately 30mins prior to the application of the joint sealant.

**Mixing:** The 2 components of PREFLEX 300 are packaged in the same tin. The base component and the curing agent should be thoroughly mixed together for a minimum of 15mins using a low-speed drill and paddle until a homogeneous mixture is achieved.

**Application:** If PREFLEX 300 GUN GRADE is being used then a follower plate should be inserted into the can of mixed sealant. The PREMCRETE 600ml bulk sealant gun should then be inserted onto the follower plate and sealant should be extruded into the gun, the nozzle can then be screwed onto the gun and sealant can be applied to the joint. If PREFLEX 300 POURING GRADE is to be used, then the metal can may be kinked to form a spout before pouring the sealant into the joint. Alternatively, a suitable pouring jug may be used.

**Curing:** PREFLEX 300 will cure at a rate of 3mm per day. It would have cured sufficiently after 24hrs to allow light trafficking.

**Equipment Cleaning:** Equipment should be cleaned immediately using PREMCRETE SOLVENT CLEANER.

### PACKAGING & COVERAGE

**Pack Size:** PREFLEX 300 GUN GRADE is supplied in 2.5ltr tins. PREFLEX 300 POURING GRADE is supplied in 5ltr tins. PREFLEX POROUS PRIMER is supplied in 500ml and 5ltr tins.

**Coverage:** 500ml of PREFLEX POROUS PRIMER will be enough to prime 125 linear metres of joint. A 5ltr tin of PREFLEX 300 POURING GRADE SEALANT will seal approximately 12.5 linear metres of 20mm x 20mm joint.

### STORAGE & SHELF LIFE

PREFLEX 300 should be stored in warm dry conditions away from direct sunlight. PREFLEX 300 will have a shelf life of 9months when stored in unopened containers.

### HEALTH & SAFETY

See separate material safety datasheet.



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Structural Waterproofing | Gas Protection  
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www.premcrete.com | 02380 276166 |  
sales@premcrete.com | 44 Macadam Way,  
West Portway, Andover, Hampshire, SP10  
3XW

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