TECHNICAL DATA SHEET

PREFLEX 300

Two-Part Polysulphide Sealant



PREMCRETE

PREFLEX 300



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, road joints and runway applications.

ADVANTAGES

- Cures to form a flexible but tough seal.
- Excellent adhesion to wide range of substrates.
- Meets recognized standards.
- PREFLEX 300 complies with BS5212 1990 type FB (includes types N and F).

PREFLEX 300

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Appearance	N/A	Grey
Movement factor	N/A	25% (Tension and Compression)
Curing time	N/A	Typically 3 days at 20°C.
Application Temperature	N/A	5°C to 40°C
Service temperature	N/A	-40°C to +80°C
UV Resistance	N/A	Good
Chemical Resistance	N/A	Resistant to most alkalis and dilute acids, petrol, diesel, jet fuel and other solvents, vegetable oils and sugars.
Service Life	N/A	20 years + (when used in trafficked areas or other special environments, service life may be reduced)
Joint Minimum Width	N/A	6mm
Joint Maximum Width	N/A	30mm
Joint Minimum Depth	N/A	12mm
Joint Maximum Depth	N/A	25mm
Joint Ratio	N/A	1:1 floor joints up to 25mm with. Up to 30mm width, joint depth of 25mm

INSTALLATION 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 extruded into 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.

PREFLEX 300

INSTALLATION PROCEDURE

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
POURING GRADE SEALANT
A 5ltr tin of PREFLEX 300 POURING GRADE SEALANT
will seal approximately 12.5 linear metres of 20mm x 20mm joint.

GUN GRADE SEALANT
A 2.5ltr tin of PREFLEX 300 GUN GRADE SEALANT
will seal approximately 6.25 linear metres of 20 x 20mm joint.
PREFLEX POROUS PRIMER should be quantified as a guide of 1ltr per 30ltrs of joint sealant.

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

HEALTH & SAFETY
See separate Material Safety Data Sheet.

44 Macadam Way | West Portway | Andover | Hampshire | SP10 3XW
www.premcrete.com | 02380 276166 | sales@premcrete.com