



PREFLEX PU

Hybrid Polyurethane Sealant

DESCRIPTION

PREFLEX PU is a high modulus single-component polyurethane hybrid sealant which exhibits excellent adhesive properties and remains permanently elastic once cured. The cured sealant has good resistance to water and a wide range of industrial chemicals.

USES

PREFLEX PU is used to seal movement and expansion joints in concrete and masonry structures. It is particularly suitable for sealing in application subject to high levels of vibration, and where a degree of vibration resistance is required. It is suitable for use in marine environments with excellent resistance to saltwater, it is also suitable for structural bonding of construction elements.

Advantages

- Very easy to apply.
- Highly elastic, yet durable seal.
- Excellent resistance to UV.
- Excellent resistance to a wide range of chemicals.
- Excellent adhesion to a wide range of construction materials.

Property	Value
Hardness Shore A	40
Density	1.27gm/ml
Service Temperature	Between -30°C and +90°C
Application Temperature	5°C to 30°C
Elongation @ Break	600%
Modulus of Elasticity	0.78N/mm ²
Maximum Tension	1.72N/mm ²
Curing Speed @ 20°C	3mm/24 hrs

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PROCEDURE

Surface Preparation: Substrates should be clean, dry and free from dust, grease and other deleterious substances. Where application of the sealant is to an existing joint, then residues of removed sealant should be thoroughly cleaned off the joint faces.

Priming: Joint faces should be primed using PREFLEX PU PRIMER. Allow the primer to dry for 30mins prior to application of the joint sealant.

Application: PREFLEX PU is supplied in a foil sachet, which fits into a PREMCRETE 600ml BULK SEALANT GUN. The end of the sachet is cut off before screwing the nozzle into place. The sealant may then be extruded into the joint, using the correct size nozzle for the joint width. It is important to ensure that the depth of the joint is no greater than the width of the joint, otherwise curing of the sealant will be impeded. Once the sealant has been extruded into the joint then it may be tooled to a smooth finish using a suitable spatula.

Curing: The applied sealant will have cured sufficiently after 24hrs to be lightly trafficked, however full cure is dependent on the size of the joint. The sealant will cure to a depth of 3mm per day i.e. a joint depth of 20mm will take approximately 6 days to fully cure to the full depth of the joint.

Equipment Cleaning: Equipment should be cleaned using PREMCRETE CLEANING SOLVENT immediately after use.

PACKAGING & COVERAGE

Pack Size: PREFLEX PU is supplied in 600ml foil sachets, there are 20 sachets per box.

Coverage: 1 sachet will seal a 10mm x 10mm joint 6m long.

STORAGE & SHELF LIFE

PREFLEX PU should be stored in unopened boxes in cool dry conditions, away from direct sunlight. When stored in original unopened containers, PREFLEX PU will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.



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