TECHNICAL DATA SHEET

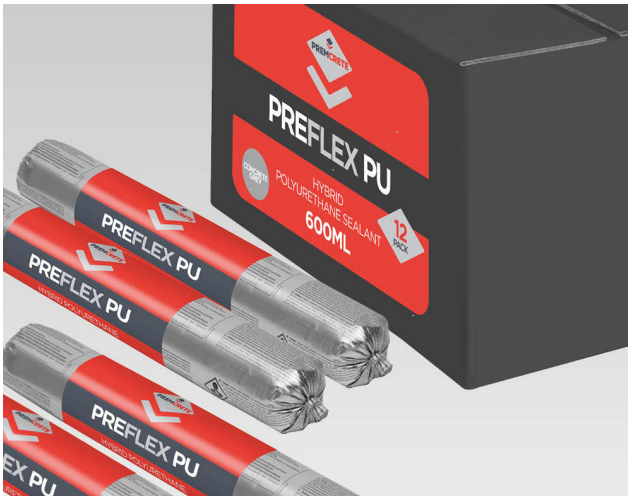
PREFLEX PU

Hybrid Polyurethane Sealant



PREMCRETE

PREFLEX PU



DESCRIPTION

PREFLEX PU is a high-modulus, single-component polyurethane hybrid sealant that exhibits excellent adhesion to a wide range of construction substrates while remaining permanently elastic after curing. The cured sealant provides durable weatherproof performance, excellent resistance to water ingress and good resistance to a broad range of industrial chemicals.

USES

PREFLEX PU is designed for sealing movement and expansion joints in concrete, masonry and other construction materials. It is particularly suitable for applications subject to vibration and movement, marine environments, and structural bonding applications where a durable elastic seal is required.

ADVANTAGES

- Easy to apply
- Permanently elastic and durable
- Excellent UV resistance
- Good chemical resistance
- Excellent adhesion to a wide range of construction materials
- Suitable for internal and external applications

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Hardness (Shore A)	N/A	40
Density N/A	N/A	1.27g/ml
Service Temperature	N/A	-30°C and +90°C
Application Temperature	N/A	5°C to 30°C
Elongation at Break	N/A	600%
Modulus of Elasticity	N/A	0.78 N/mm^2
Maximum Tension	N/A	1.72 N/mm^2
Curing Speed at 20^{0}C	N/A	3mm per 24 hours

PREFLEX PU

INSTALLATION PROCEDURE

Surface Preparation
Substrates should be clean, dry and free from dust, grease, oil and other contaminants. Where existing sealant is being replaced, all residues should be completely removed from the joint faces before application.

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

Application
PREFLEX PU is supplied in 600 ml foil sachets for use with a suitable bulk sealant gun. Cut the end of the sachet, install the nozzle and extrude the sealant into the prepared joint using a nozzle appropriate to the joint width. Joint depth should not exceed joint width, as excessive depth may impede curing. Tool the sealant immediately after application to achieve a smooth finish.

Curing
The sealant will generally be suitable for light trafficking after 24 hours. Full cure time will depend on joint dimensions. As a guide, the sealant cures at approximately 3 mm per day at 20°C.

Equipment Cleaning
Clean tools and equipment immediately after use with PREMCRETE CLEANING SOLVENT.



PACKAGING & COVERAGE
Pack Size
600ml foil sachets (20 sachets per box).
Coverage
One sachet will seal approximately 6 linear metres of a 10mm x 10mm joint.

STORAGE & SHELF LIFE
Store in unopened packaging in cool, dry conditions away from direct sunlight. When stored correctly, the product has a shelf life of 12 months.

HEALTH & SAFETY
Refer to the current Safety Data Sheet for information on safe handling, storage and disposal.

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