TECHNICAL DATA SHEET

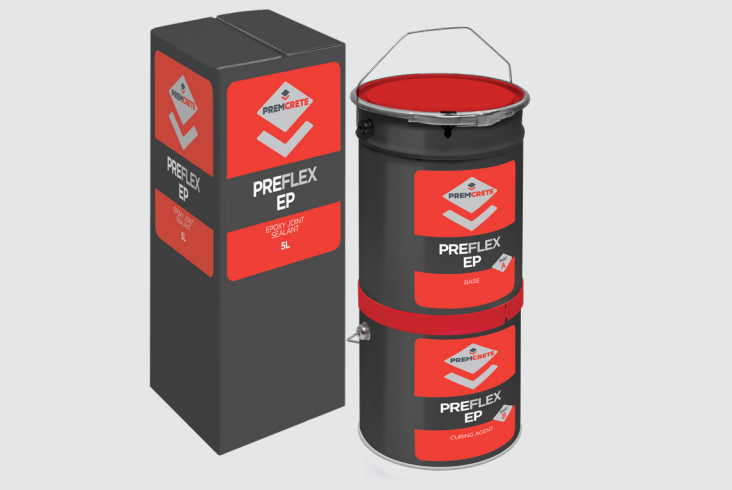
PREFLEX EP

Epoxy Joint Sealant



PREMCRETE

PREFLEX EP



DESCRIPTION

PREFEX EP is a flexible epoxy joint sealant which is available in both pouring and gun grades. The sealant cures to form an extremely tough, yet flexible sealant, which is suitable for the most demanding situations. It is particularly designed for use in joints that are subject to heavy wheel loading. Due to its tough nature, it will offer some degree of support to the joint arises. It is particularly suitable for joints in a floor construction which require superior chemical and abrasion resistance.

USES

PREFLEX EP is used to seal floor joints which require exceptional durability whilst retaining a good degree of flexibility. Applications include, warehouses, industrial environments and other applications where exceptionally heavy trafficking is anticipated. It's superior chemical resistance makes it suitable for application in areas where chemical spillages are likely.

ADVANTAGES

- ures to form a tough, yet flexible seal.
- Excellent adhesion to concrete and masonry.
- Excellent resistance to wide range of chemicals.
- Suitable for wide joints.

PREFLEX EP

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Movement Accommodation Factor	N/A	10%
Chemical Resistance	N/A	Excellent resistance to dilute acids, alkaloids petrol, oils, and citric acids.
Specific Gravity	N/A	1.3
Shore A Hardness	N/A	72
Pot Life @ 20°C	N/A	60mins
Colour	N/A	Grey (other colours on request)

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 wide, 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.

Mixing

PREFLEX EP is supplied as a two-component pack consisting of the base and curing agent components. The contents of the curing agent can should be poured into the base component and mixed thoroughly using a low-speed drill and paddle mixer until a uniform consistency is achieved.

Priming

The joint faces should be primed using EPONITE TACKPRIMER. Allow the primer to dry for 1hr prior to application of the joint sealant.

Application

If PREFLEX EP GUN GRADE is being used then a follower plate should be inserted into the can of mixed sealant. The PREMCRETE 600ml box 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 EP 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 EP will have cured after 24hrs @ 20°C to allow full trafficking. Full chemical resistance will be achieved after 14 days @ 20°C.

Equipment Cleaning

Equipment should be cleaned immediately using PREMCRETE SOLVENT CLEANER.

PREFLEX EP

PACKAGING & COVERAGE



Pack Size

PREFLEX EP POURING GRADE is supplied in 5ltr packs.
PREFLEX EP GUN GRADE is supplied in 2.5ltr packs.

Yield

1 x 5ltr pack is sufficient to seal 50 linear metres of 10mm x 10mm joint.

STORAGE & SHELF LIFE

PREFLEX EP should be stored in clean dry conditions at temperatures between 10°C and 20°C. Keep containers tightly closed when not in use.
When stored in unopened containers, PREFLEX EP will have a shelf life of 12 months.

HEALTH & SAFETY

See separate Material Safety Data Sheet.

ANCILLARY PRODUCTS



EPONITE TACKPRIMER



SEALANT GUN

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PREMCRETE