

Lokfix EP

Two component epoxy system for civil engineering work

Uses

Lokfix EP is general purpose epoxy putty recommended for the following typical applications:

- Bonding precast concrete
- Anchoring of bolts etc.
- Sealing of cracks
- Repair of concrete
- Overhead repair
- Underwater repair

Advantages

- Sets even when totally immersed in water
- Will bond to damp surfaces
- Rapid setting on expiry of pot life
- Thixotropic paste
- Difference in colour of Part A and Part B ensuring proper mixing
- Finished product is concrete grey in colour.

Description

Lokfix EP is a two component polyamide cured epoxy system which sets even under water. Lokfix EP is supplied in the correct proportions for mixing. Each set consists of two tins, being:

Part A: epoxy resin compound
Part B: curing compound

Technical support

Fosroc offers a comprehensive range of high quality, high performance construction products. In addition, Fosroc offers a worldwide technical support and on-site service to specifiers, end-users and contractors.

Properties

Compressive Strength: (N/mm ²)	Temperature (°C)			
	35	30	25	0
@ 2 hrs	20	10	-	-
4 hrs	50	30	15	-
8 hrs	75	60	45	10
1 day	75	75	75	30
Colour:	Part 'A' - base (white) Part 'B' - curing agent (black) Mixture - (concrete grey)			
Density typical values @ 25°C :	Part 'A': 1.70 Part 'B': 1.90 Mixture: 1.75			
Mix Ratio (A:B):	2.0 : 1.0 By Weight 2.3 : 1.0 By Volume			
Chemical Resistance:	Resists water, alkalis and dilute Mineral acids			
Peak Exotherm:	110 °C 100 g mass 40 mm cylinder			
Pot life:	35 minutes at 25°C 100 g at 10mm thick			
Gel time:	1 hour at 25°C			
Slump Resistance:	25mm (max at 25°C)			
Shrinkage:	Nil			
Toxicity:	Non-toxic on curing and when used as recommended			

Instructions for use

Surface preparation

Surface to be free from oil and grease; laitance and loose material. Remove fine dust from substrate; as well as any freestanding water.

Lokfix EP

Application

Apply the mixed product using suitable spatulas or trowels

Mixing

Mix Part A and Part B thoroughly together using a spatula. Uniform mixing is indicated when the black and white colour of the components merge to form a uniform grey colour free of streaks. Mixing of part packs is possible only if the recommended ratios are strictly adhered to. Deviations from this will result in material, which will not achieve the desired properties.

Under Water Application

Product must be mixed on surface. Protect from water during transfer from surface to point of application.

Adhesive (bonding) Application

A notched trowel must be used to spread the compound.

Cleaning

Use Fosroc Equipment cleaner to clean equipment immediately after use. Hardened material can only be removed mechanically.

Limitations

For mixing larger quantity, the mixing temperature must be kept at 20°C - 25°C otherwise pot life will be reduced.

Estimating

Packaging 2 kg metal tin

Precautions

Health and safety

Lokfix EP:

Contains epoxy resins, which may cause skin sensitisation in certain individuals. Skin contact should be avoided and a suitable barrier cream applied or disposable rubber or plastic gloves worn. Hands should be thoroughly washed before eating or smoking. Anyone having opened wounds, or cuts on the hands or forearms, however small, is advised to avoid contact with epoxy resins until the skin has healed.

Fosroc Equipment Cleaner:

Non-flammable liquid, but use in well ventilated surroundings. Avoid skin contact and inhalation of the vapour.

Fosroc Joint Cleaner:

Flammable liquid, Flash point: 35 degrees (Celsius). Store away from heat. Do not use near a naked flame. Use in well ventilated surroundings. Avoid skin contact and inhalation of the vapour.

Additional information

Fosroc Joint Cleaner:

A general purpose flammable solvent used for cleaning and degreasing. Plastic and plastic surfaces should be tested first before general application.

Fosroc Equipment Cleaner:

A general purpose non-flammable solvent, for cleaning spray guns, knives, brushes, etc. Equipment should be cleaned immediately after use.



Fosroc (Thailand) Limited

777/9 Moo 7,
Bangplee-Tamru Road,
Bangplee Yai, Bangplee,
Samutprakarn 10540 Thailand

www.fosroc.com

Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it.

telephone:
+66 (0)2325 0913-15

fax:
+66 (0)2337 3551

email:
thailand@fosroc.com