

EPOFIX 713 EPIS

INJECTION GRADE EPOXY RESIN

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

DESCRIPTION

EPOFIX 713 EPIS is a two part, low viscosity epoxy for the sealing of fine cracks and repairing of crack concrete to restore the structural strength. The cured **EPOFIX 713 EPIS** adhesive will seal the cracks entirely and completely restores the concrete to its original monolithic conditions. **EPOFIX 713 EPIS** is supplied in two containers for use together with two component injection machine, grout pump or in cartridges.

USES

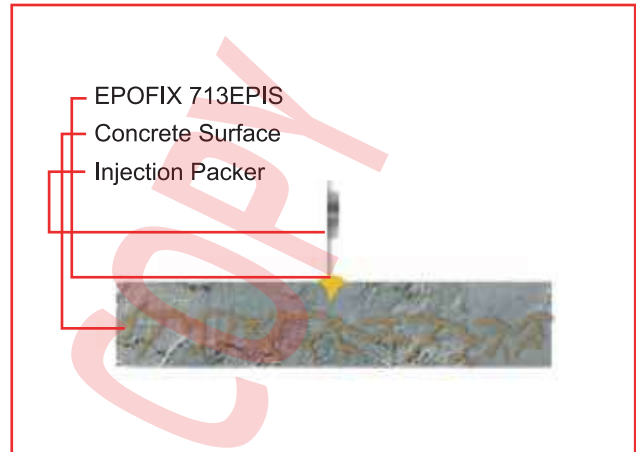
It is recommended to uses as repairing material of cracked concrete, jointing of concrete members. Rebonding of delamination in concrete toppings, tiles, etc thus avoiding other costly replacement or methods, grouting of bolts, anchors, bars etc and consolidation of friable rocks and stones.

BENEFITS

- Repair of cracked concrete
- Jointing of concrete members
- Rebonding of delamination in concrete members, tiles, etc. thus avoiding other costly replacements or methods.
- Grouting of bolts, anchors, bars etc.
- Consolidation of friable rocks and stones

COLOR

Amber Brownish



Technical Data :		
Mixing Ratio		2 : 1
Mixed Viscosity		190 cps
Pot Life (for 1Kg mix at 25°C)	30mins (any specific pot life and mixing ratio can be adjusted on request)	
Shelf Life (between 5°C to 30°C)		Minimum 12 months
Mechanical Strengths,	Compressive Strength	80 N/ mm ² (11,300 psi)
	Felxural Strength	95 N/ mm ² (13,500 psi)
Modulus of elasticity in tension		32 N/mm ²
Adhesion to damp concrete		Good
Packaging		15kg

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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APPLICATION PROCEDURE

SURFACE PREPARATION

Providing the cracks to be injected are not too fine, blow them out with compressed air to remove all dust. Make sure the compressed air is free of oil and water. After the cracks have been cleaned, bond flanged injection nipples onto their surface with **EpoFix 712**. Take care not to block the nipples with the adhesive used. Dry wet surfaces before the adhesive is applied. The distance between any two injection pints will usually be between 20cm to 50 cm depending on the thickness of the concrete. Fit injection nipples to one surface of concrete that is cracked all the way through.

Test done on concrete usually resulted in failure at concrete.

INJECTION

Make sure that the cracks are still free of dust, etc., preferably by blowing through all the nipples in succession with compressed air. During this operation, all the nipples should be closed off except the one through which the compressed air is being blown and the one adjacent to it. Inject the **EpoFix 713 EPIS** system into the crack, In the case of vertical cracks, start injection at the lowest nipple and continue until the injected material begins to flow out of the next higher nipple. Then close off the first nipple and continue injection at the second until the material flows out of the third. Repeat this process until the whole length of the cracks has been injected. Use a grinding wheel to remove the sealing compound and nipples once the injected system has cured.

CLEAN-UP

Tools and equipment should be cleaned immediately after use.

HEALTH & SAFETY

Do not take internally and avoid contact of uncured material with skin. It is advisable for workers to wear protective clothing during application. Clean hands and equipment promptly with soap and water.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine overall requirements.

CEMKRETE have a wealth of technical and practical experience built up over many years in our pursuit of excellence in steel and concrete protection technology.

Customers are welcome to call our Technical Service Department on all matters pertaining to coatings.

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