

HI-Crete 88

Crack Sealer

Technical Data Sheet

DESCRIPTION:

A two-component 100% solids epoxy crack sealer.

USES:

Designed for patching and filling cracks. Used to fill and smooth out voids, cracks, spalls prior to the resin injection for structural repair of concrete.

ADVANTAGES:

High strength, permanent repair with low shrinkage.
For filling in small areas or in thin set.
Thixotropic non-sag mortar.

PACKAGING:

The HI-CRETE 88 epoxy crack sealer is packaged in kits as pre-proportioned batches for error-free job site mixing and application.

SURFACE PREPARATION:

In general, the surface to be bonded must be clean, sound, dry and above 10°C to assure a successful installation. Loose or soft concrete must be removed by scarifying, sand blasting or high pressure cleaning. Then all oil, grease, wax, laitance and other surface contaminants must first be thoroughly removed by chemical and/or mechanical means. The prepared concrete surface should be allowed to dry thoroughly before beginning the application.

STANDARD TESTS:

Refer to the standard test methods below for further information.

ASTM D 4258-83	Standard Practice for Surface Cleaning Concrete for Coating
ASTM D 4259-83	Standard Practice for Abrading Concrete
ASTM D 4260-83	Standard Practice for Acid Etching Concrete
ASTM D 4262-83	Standard Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces

GENERAL PRODUCT DATA:

Available color:	Charcoal grey
Application Method:	Patch with trowel or spatula
Pot Life:	20 minutes @ 25°C.
Cure Rate:	Cure in 8 –18 hours, full cure in 7 days
Shelf Life:	Two years in unopened containers

TYPICAL PHYSICAL PROPERTIES:

TYPE TEST	TEST METHOD	TYPICAL VALUE
Compressive Strength	BS 6319	70 N/mm ²
Tensile Strength	BS 6319	14 N/mm ²
Flexural Strength	BS 6319	30 N/mm ²
Hardness Shore D Durometer	ASTM D-2240	85
Bond Strength	BS EN24624	>3 N/mm ² (100% Concrete failure)

Above typical values based on 7 days cure @ 25°C

MIXING:

Before proceeding with the mixing and application of the HI-Crete 88 Crack Sealer, the surface should be checked to make sure it is properly prepared and the temperature of the area, floor and material is above 10°C.

1. Carefully empty the contents of the Part 'B' Hardener entirely into the can of Part 'A' Resin.
2. Stir with a paint paddle for small batch units, or a Jiffy Mixer for large batch units, until completely blended. This will take about 60 seconds. Be careful to mix the contents completely.

APPLICATION:

1. Crack injection nozzles should be installed prior to sealing the cracks.
2. Spread the mixed sealer onto the crack area, spread and compact initially with a spatula or trowel.
3. Finish using a steel-finishing trowel. The finished surface should be relatively smooth, free of trowel marks.

POT LIFE:

Approximately 20 minutes at 25°C.

CURE TIMES:

At a cure temperature of 25°C allow 8-18 hours to cure . Allow 7 days before chemical or thermal exposure.

CLEAN UP:

Tools should be cleaned immediately after use with soap and water. Solvents such as Xylol or paint thinner can also be used. But care should be taken before using any flammable and hazardous solvents.

DISPOSAL:

Dispose in accordance with local regulations. Use licensed hazardous waste company.

Empty containers may contain product residue, including flammable or explosive vapor. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been properly disposed of.

For Industrial Use Only

KEEP OUT OF THE REACH OF CHILDREN.

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