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CIPADITE® 25

Fast Setting epoxy injection adhesive

DESCRIPTION

CIPADITE® 25 is a 100% solids two component , low viscosity fast setting epoxy adhesive. Its low viscosity and self leveling properties allow CIPADITE® 25 to penetrate into the concrete to form a high bond strength and to properly fill the voids in the surface. Its rapid setting characteristics make it an ideal product for crack injection at either low pressure or high speed, depending upon crack width, depth and temperature.

WHERE TO USE

CIPADITE® 25 is primarily designed for injection of cracked concrete, fissures or voids in concrete or rock or other structural materials. structural bonding and anchor bolt grouting.

BENEFITS

- 100% solids, zero VOC's
- Fast curing, even in cold, damp and adverse conditions
- low viscosity allows for maximum penetration into small hairline cracks and fractures
- moisture insensitive; high resistance to blush
- cures down to 7°C (45°F)

PROPERTIES (Tested @ 23°C (74°F))

Mix Ratio, by Volume	2 parts A:1 part B
Viscosity (Mixed)	400 cps
Solids Content.....	100%
Pot Life	12 minutes
Initial Cure	3 hours
Color after Cure.....	Straw Yellow

The above information is representative of typical Values obtained under laboratory conditions. Variations can be expected due to on site conditions and/or other testing methods.

APPLICATION

SURFACE PREPARATION

Cracked surfaces should be clean and free from coatings or contaminants which could prevent proper adhesion. If cracks are large, loose material should be removed. Use CIPADITE® GEL 15 to grout injection ports in place and to seal other areas of crack.

MIXING

This product should be mixed and placed using automatic injection equipment. Mix CIPADITE® 25 Resin and Hardener with a mixing paddle attached to low speed (400-600 rpm) heavy duty electric drill. Inject the mixed material with a suitable pump or gun(Alemite) or hand-held cartridge. Use up the fresh mix as soon as possible and always within the indicated "Pot Life".

APPLICATION

Clean cracks, with high pressure water jet, or by blowing them out with compressed air, free of oil. Optimum crack width varies from 0.25 mm to 6 mm. There are three basic methods of injection grouting: gravity, pressure and by machine. The gravity method for horizontal surfaces consists of penetrating the cracks by gravity flow. Compressed air or manual pressure and automatic machine injection methods, inject CIPADITE® 25 into cracks while maintaining a constant pressure.

Injection entry points are selected and flanged nipples, polyethylene one-way valves or tapes are set in place. Insertion holes drilled for special ports must be cleaned to avoid blocking the cracks. Seal the surface of the crack between inlets and also around the injection entries with CIPADITE® GEL 15.

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The distance between two injection points may vary between 15 to 50 cm, or 1 to 1 ½ times the depth of the crack. Prior to injection, blow through the entry ports in succession to ensure that the sealed cracks are free and ready for injection.

In vertical cracks, start injection points at the lowest point and continue until the injected adhesive flows out of successively higher points while closing off the lower ones. After cure, use a grinder to remove the sealing compound and refinish the surface.

LIMITATIONS

- not for use where crack is filled with water
- cracks to be injected should be dry for maximum bond
- minimum recommended curing temperature is 7°C (45°F)

COVERAGE/YIELD

Crack injection volume requirements vary widely with the surface porosity, crack width, depth and temperature.

STANDARDS

CIPADITE® 25 was manufactured to comply with ASTM C881, Type IV, Grade 1, Class A, B, C.

PACKAGING

3.79L (1 U.S. gal) - 4.5 kg (9.9 lb)

CLEAN UP

Clean all equipment with CPD® Xylol before epoxy hardens. CPD® Xylol is flammable solvent. Read the Safety Data Sheet before using.

STORAGE

Store in a heated warehouse. Storage at temperatures below 4.5°C (40°F) may cause the resin to crystallize.

SHELF LIFE

Two years from date of manufacture if kept in original unopened containers under normal warehouse conditions.

SAFETY PRECAUTIONS

Consult Safety Data Sheet for specific instructions. SDS # 92, #92a & #100

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

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