

CIPADITE[®] 20

(Hi-Modulus, Injection Resin)

DESCRIPTION

Cipadite[®] 20 is a low viscosity, high strength, high modulus, 100% solids epoxy adhesive. This product is designed for use at 10°C (50°F) or higher temperatures.

WHERE TO USE

Applications include injection of cracked concrete, structural bonding and anchor bolt grouting on horizontal surfaces.

BENEFITS

Low viscosity allows maximum penetration into small hairline cracks and fractures

PROPERTIES (Tested @ 23°C (74°F))

Mix Ratio, by Volume	2 parts A: 1 part B
Viscosity (Mixed)	250-350 cps (ASTM D2393)
Solids Content	100%
Pot Life (100g)	25-35 minutes
Initial cure	6 hours
Tensile Strength	34 MPa (4,930 psi) (ASTM D638) 7 days
Tensile Elongation	1-5% (ASTM D638) 7 days
Compressive Strength	69 MPa (10,000 psi) (ASTM D695) 7 days
Color Cured	Straw Yellow

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ±10%.

APPLICATION

Surface Preparation

Cracked surfaces should be dry, clean and free from coatings or contaminants which could prevent the proper adhesion of the crack surface sealer. Where cracks are large, loose material should be removed. Use CIPADITE[®] Gel 15 (Epoxcrete LT Gel) to grout injection ports in place and seal other areas of crack. Cracks that have an active flow of water through them can not be effectively injected.

MIXING

Cipadite[®] 20 should be mixed and placed using automatic injection equipment. Stir each component separately before using. Take a sample of resin dispensed by the pump periodically during the injection process. Check the pot life of the mixed resin to assure proper mixing ratios are maintained by the equipment.

LIMITATIONS

- ? for injection work below 10°C (50°F), see product data sheet for Cipadite[®] 25
- ? areas to receive product must be dry

COVERAGE

Dependent on crack dimensions and depth.

STANDARDS

ASTM C-881 Type I, Grade 1, Class C.
Approved for use on all MTQ projects (Ministry of Transportation).

PACKAGING

3.79L (1 U.S. gal)- 4.5 kg (10 lbs.)

CLEAN UP

Clean all equipment with CPD[®] Xylol before epoxy hardens. CPD[®] Xylol is a flammable solvent. Read the Material 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 if kept in original unopened containers under normal warehouse conditions.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS # 93.

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.

CPD[®] makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD[®]'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD[®] product has been applied. CPD[®] reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD[®] shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

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