

CIPADITE® 35

High strength epoxy adhesive

DESCRIPTION

CIPADITE® 35 is a two component, 100% solids polyamide cure moisture insensitive epoxy adhesive. It has excellent bond strength to concrete, brick, masonry, metal and wood surfaces.

WHERE TO USE

CIPADITE® 35 is recommended for bonding fresh concrete to hardened concrete, bonding of precast concrete units and bonding steel plates or other metal sections to concrete. It may also be used for repairing spalled, scaled and cracked concrete.

BENEFITS

- \$ 100% solids, zero VOC's
- \$ excellent adhesion properties to concrete and steel
- \$ extended working time
- \$ convenient one to one mixing ratio
- \$ color coded to ensure uniform mixing
- \$ moisture insensitive during the cure
- \$ high shear and tensile strength
- \$ open time of the applied thin film is 4-5 hours @ 23°C (74°F)

PROPERTIES (Tested @ 23°C (74°F))

HANDLING PROPERTIES

Mix Ratio, by volume	1 Part A: 1 Part B
Viscosity (mixed).....	3000 cps
Mixed Weight (Density).....	1.3kg/litre (9.4lb/US gal)
Pot-Life	1½ hours
Initial cure	8 hours
Full Cure	7 days

CURED PROPERTIES (7 days cured @ R.T./ 50% R.H.)

Tensile Strength	22-25 MPa (3200-4000 psi) (ASTM D638)
Tensile Elongation	8 % (ASTM D638)
Compressive Strength	40-62 MPa (5800-9000 psi) (ASTM D695)
Color	grey

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

APPLICATION

SURFACE PREPARATION

Prepared concrete substrate should be sound and free from dust, loose particles and all foreign contamination. All concrete should be chemically cleaned or mechanically scarified for best results. New concrete should be cured 30 days and any surface laitance or curing compound must be removed.

Steel surfaces should be free of dirt, grease, oil or rust. Blast surface using an angular medium such as aluminum oxide or grit to SSPC-SP10 standard, with a minimum profile of 2.5 mils. **Where sandblasting is not practical, the surface should be degreased and mechanically abraded to reveal continuous bright metal.**

MIXING

Stir each component separately before combining the liquids, then combine 1 part (by volume) of Part A with 1 part (by volume) of Part B. Mix with a low speed drill. Thoroughly blend material for three minutes minimum, periodically scraping down sides and bottom of container. When thoroughly mixed, product will be a uniform grey in color.

Mortar: Mix Part 'A' and Part 'B' as per above instructions. Add 3-4 parts dry silica aggregate by volume. Add aggregate gradually and mix thoroughly exercising care not to entrap excessive amounts of air.

Adhesive Application: Apply a thin uniform layer of pre-mixed CIPADITE® 35 with brush, or roller. Avoid forming pools or puddles. Place fresh concrete or topping while CIPADITE® 35 is still tacky.

Patching Application: Sawcut perimeter of spall and prime with mixed neat CIPADITE® 35. Surface should be dry and clean. Apply mortar by trowel.

LIMITATIONS

CIPADITE® 35 is not recommended for:

- ? applications where ambient temperature are below 10°C (50°F)
- ? repairs applied underwater

COVERAGE

2-3m²/L (80-120ft²/U.S. gal) depending on surface texture.

PACKAGING

Available in:
7.58L (2 U.S. gallon)

CLEAN UP

Clean all equipment with CPD[®] Xylol before epoxy hardens. CPD[®] Xylol is flammable solvent. Read the M.S.D.S. 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 Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS # 46 + 49

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.

THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED BY REPRESENTATIVES OF CPD[®], ITS DISTRIBUTORS OR DEALERS.