

CPD[®] AQUACRETE

DESCRIPTION

CPD[®] Aquacrete is a unique hydraulic cement based patching compound used for underwater concrete repair. It is a fast setting high strength compound with exceptional bond strength and durability.

WHERE TO USE

CPD[®] Aquacrete is used to repair pilings, sea walls, sewers, water and sewage treatment plants, underwater intake pipes and supports, dams, bridges and any other areas where underwater concrete repair is required.

BENEFITS

- \$ fast setting
- \$ high strength
- \$ good bond strength
- \$ non-toxic
- \$ non-metallic
- \$ contains no chlorides

PROPERTIES

Working Time 23°C (73°F).....	3 - 5 minutes
Initial Set 23°C (73°F).....	10 - 20 minutes
Consistency.....	Stiff plastic

Compressive Strength

(ASTM C109-90) 21°C (70°F)	
1 hour.....	0.35 MPa (50 psi)
1 day.....	20.6 MPa (2985 psi)
7 days.....	29.6 MPa (4290 psi)
28 days.....	40.3 MPa (5845 psi)

Tensile Strength (ASTM C190-85)

7 days.....	3.3 MPa (475 psi)
28 days.....	4.0 MPa (580 psi)

Flexural Strength (ASTM C78-84)

28 days.....	1.45 MPa (210 psi)
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The above information is representative of actual production runs. Independent test results may vary from the above by approximately ± 10 %.

APPLICATION

SURFACE PREPARATION

Concrete substrate must be clean and sound. Water blast or chip away all marine growth, punky concrete, deteriorated wood, rust scale and any other foreign matter.

MIXING

Mix approximately 5.0 L (1.32 U.S. gal) of potable water with each 20 kg (44 lb.) bag of CPD[®] Aquacrete. Do not mix product with sea water. Always add water to the mixing container before adding CPD[®] Aquacrete powder. Mix no more than one bag at a time.

If mixing in a rotary mixer, use a small mixer with rubber tipped paddles. Small quantities of 2-8 kg (4-17 lb.) can be mixed in a bucket by hand. Thoroughly mix the product until a stiff plastic consistency is achieved. Do not mix more than one minute.

FINISHING AND CURING

Place and finish by hand. No curing protection is required for under water placement.

LIMITATIONS

- \$ not for use below 5°C (40°F)
- \$ not recommended for structural grouting application
- \$ not recommended for out-of water applications

COVERAGE

Approximately 0.011 m³ (0.40 ft³) per 20 kg. (44 lb.) bag.

PACKAGING

20 kg. (44 lb.) multi wall bags.
4.5 kg. (10 lb.) plastic pail.

CLEAN UP

Clean tools and equipment immediately after use with water.

STORAGE

May be stored anywhere short term under a tarp on pallets as long as the product is kept dry. Dry heated warehouse storage is recommended for extended storage.

SHELF LIFE

Approximately one year when stored in dry warehouse on pallets in original bags. Protect from moisture and freezing.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS # 209.

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.