



HYDROMEND

REPAIRS LEAKY
BASEMENTS FOR GOOD

DATASHEET

DESCRIPTION:

CAVEMAN HYDROBOND MORTAR is a non-shrink, two part, low-slump epoxy mortar/putty that sets quickly, tolerates water and has excellent chemical resistance. It's formulation allows hand mixing which with its high performance and ability to bond strongly to a wide range of substrates including steel, stone, glass, aluminum, dry or damp concrete makes for an excellent multipurpose option.

TYPICAL APPLICATIONS:

- Most epoxy mortar/putty applications
- Precast concrete & concrete pipe repairs
- Control joint shoulder repairs
- Underwater applications (UA)
- Repairs to concrete structures
- Slab repairs
- Kerb repairs
- Horizontal or overhead mortaring of starters, bolts, anchors & dowels

ADVANTAGES:

- Durable
- Good chemical resistance
- Versatile
- High tensile strength
- High bond strength
- High compressive strength
- Non shrink

TECHNICAL DATA:

Viscosity	Non-slump, mortar putty
Mix ratio	1:1 by weight or volume
Pot life	30min at 20°C
Min appl temperature	5°C
Cured properties:	
Colour	Grey
SG	2.0
Compressive Strength	45 MPa @ 1 day
Compressive Strength	70 MPa @ 7 days
Compressive Modulus	13 GPa
Tensile Strength	23 MPa
Thermal expansion	5 x 10 ⁻⁵ mm/mm/ °C
Packaging	8L

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations may occur on site.

STORAGE & SHELF LIFE:

1 year in original unopened containers. Do not store opened containers.

SUBSTRATE PREPARATION:

Thoroughly clean and ensure substrates are free from dirt, oil, grease, loose particles, coatings, curing compounds and any other contaminants. Where possible concrete should be honed or etched and steel prepared by grinding or sand blasting. To ensure good bonding substrates must be sound and roughened.

CONTROL JOINTS:

Honour any control joints in the concrete substrate – do not apply product over control joints. Create control joints in the mortar as required especially in long thin sections.

Caveman Coatings Ltd

PO Box 354 Orewa, Auckland 0946, New Zealand

0800 777 772 | www.cavemancoatings.co.nz | info@cavemancoatings.co.nz

Page 1 of 2



HYDROMEND

REPAIRS LEAKY
BASEMENTS FOR GOOD

DATASHEET

MIXING:

Mix whole packs at a time; do not mix part packs. CAVEMAN HYDROBOND MORTAR is supplied in packs containing the correct proportions of resin and hardener. Add the hardener to the resin and allow the hardener to fully drain into the resin. Mix the resin & hardener thoroughly for 3 to 4 minutes using a drill & paddle, spatula or hands. When mixing by hand, keep hands moist to aid workability and wear gloves because if you can't wash it off before it sets it won't come off at all. Avoid entrapping air during mixing and ensure that all components are incorporated during mixing by scraping the sides & bottom of the mixing container with a scraper or similar. Larger volumes will generate heat & reduce pot life.

APPLICATION:

Product is best used immediately after mixing. It is recommended that rubber gloves are used and they are kept wet so that product does not stick to hands and for improved workability. Working the product into desired position will be assisted by keeping tools wet. Thoroughly work mortar into the clean, dry and roughened substrate by firstly applying a thin skim layer. Additional mortar can be applied before the skim coat sets to achieve desired thickness. Alternatively, Caveman Tie-Coat can be used as a bonding primer for CAVEMAN HYDROBOND MORTAR. It is important not to disturb or attempt to rework mortar once it has been placed and has started to cure. The use of a trowel wiped with CAVEMAN cleaning solvent just before material becomes unworkable will aid the finishing of exposed surfaces.

POST APPLICATION PROCEDURE:

After application the mortar must be protected from extreme temperatures, rain and water. Do not wet cure epoxy mortar or allow it to drop below 10°C until it has reached its minimum compressive strength.

PRECAUTION:

CAVEMAN HYDROBOND MORTAR can only be applied to surfaces between 10°C and less than 35 °C. Do not use this product in temperatures less than 10°C and more than 35 °C

CLEANING:

If planning to every reuse any tools & equipment used they must be cleaned before product hardens with CAVEMAN cleaning and thinning solvent. Clean hands and skin with soap & warm water.

SAFETY:

Wear appropriate protective clothing gloves, eye protection and barrier cream to avoid contact, from both wet and dry mix, with eyes and skin. Wear a suitable dust mask to avoid breathing any dust. Wash thoroughly after handling and store/dispose of any leftover material appropriately. The CAVEMAN COATINGS office and many site offices around the country are adorned with appropriately disposed of leftover material in various phallic shaped sculpture, paperweights and fishing sinkers. Please ensure the relevant Safety Data Sheet is consulted prior to use for guidance on storage, handling and disposal.

FIRST AID:

Irrigate eyes & skin with plenty of water & seek medical advice immediately.

SPILLS & LEAKS:

Keep out of sewers & storm water drains & dispose of any leftover material as trade waste in accordance with local authority guidelines.

Disclaimer: The information, and, in particular, the recommendations relating to the application and end-use of Caveman products, are given in good faith based on Caveman's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Caveman's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Caveman reserves the right to change the properties of its products. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request. Caveman Coatings Ltd does not accept responsibility or liability arising from the use of its products whether or not in accordance with any advice, information, recommendation, specification or service. 202306