



CEMPOXY UA MORTAR/PUTTY

HIGH PERFORMANCE NON-SHRINK EPOXY MORTAR/PUTTY



900ml, 3.5L & 18L

APPLICATION:

Keeping tools wet will assist in working the product into desired position. Apply mortar onto a clean, dry & roughened substrate. Mortar should be thoroughly worked into the surface. A thin skim layer should be applied to the surface first. After applying this initial skim layer, more mortar can be applied to the desired thickness before the skim coat sets. Alternatively Cemix® Cempoxy Liquid can be used as a bonding primer for Cemix® Cempoxy UA Mortar/Putty. Once the mortar has been placed & started to cure, do not disturb or attempt to rework. Finishing of exposed surfaces is aided by using a trowel wiped with Cemix® Cleaning and Thinning Solvent just before the material becomes unworkable.

POST APPLICATION PROCEDURE:

Do not allow mortar to drop below 10°C until it has reached its minimum compressive strength.

DESCRIPTION:

Cemix® Cempoxy UA Mortar/Putty is a high performance two part, low-slump, non-shrink epoxy mortar/putty formulated to allow hand mixing. It bonds strongly to dry or damp concrete, steel, stone, glass, aluminium etc. It sets quickly, can tolerate water & has excellent chemical resistance.

TYPICAL APPLICATION/USES:

Cemix® Cempoxy UA Mortar Putty may be used for:

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

ADVANTAGES:

- Versatile and durable.
- High compressive strength.
- High tensile strength.
- High bond strength.
- Non-shrink.
- Good chemical resistance.

SUBSTRATE PREPARATION:

Substrates should be clean & free from all contaminants, loose particles, coatings, curing compounds, dirt, oil, grease etc. Prepare concrete by honing or etching where possible. Prepare steel by grinding or sand blasting. Substrates must be sound & roughened to ensure a good bond.

MOVEMENT & 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.

MIXING:

Cemix® Cempoxy UA Mortar/Putty is supplied in packs containing the correct proportions of resin, aggregate and hardener. Use product immediately after mixing. While mixing, it is beneficial to wear rubber gloves and to keep them wet, so that product does not stick to hands. Mix until a consistent (no marble) colour is achieved. Avoid entrapping air during mixing. During mixing scrape the sides & bottom of the mixing container with a scraper to ensure that all components are incorporated. Larger volumes will generate heat & reduce pot life.

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TECHNICAL DATA:

APPEARANCE:	Grey
STRENGTH:	45MPa @ 1 day; 70MPa @ 7 days
THERMAL EXPANSION:	5×10^{-5} mm/mm/°C
APPLICATION TEMP:	10°C - 35°C
MIX RATIO:	1:1 By volume or weight
VISCOSITY:	Non slump mortar putty
POT LIFE:	30mins @ 20°C
SPECIFIC GRAVITY:	2.0
TENSILE STRENGTH:	23MPa
COMPRESSIVE MODULUS:	13GPa

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

PACKAGING:

Cemix® Cempoxy UA Mortar/Putty comes in 500ml, 1L, 2L & 10L packs.

STORAGE & SHELF LIFE:

Cemix® Cempoxy UA Mortar/Putty can be stored for up to one (1) year in original unopened containers. Do not store opened containers.

CLEANING:

Clean all tools & equipment before product hardens with Cemix® Cleaning and Thinning Solvent. Clean hands & skin with soap & warm water.

LIMITATIONS:

- Mix whole packs at a time; do not mix part packs.
- Avoid entrapping air during mixing.
- Larger volumes will generate heat & reduce pot life.

PRECAUTION:

Do not apply product on to surfaces less than 10°C or more than 35°C. Do not use product in temperatures less than 10°C or more than 35°C.

SAFETY:

Avoid contact with eyes & skin, from wet mix. Wear suitable protective clothing, gloves, eye protection & barrier cream. Wash thoroughly after handling & store any leftover material properly. Avoid inhalation while mixing and prior to set.

FIRST AID:

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

SPILLS AND LEAKS:

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

DISCLAIMER:

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only. Other than as appears on this products packaging, Cemix® LTD. does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of Cemix® LTD. If you need advice concerning the use of suitability of this product for your particular application, please contact Cemix® LTD first. If this product is defective because of Cemix® LTD's fault, please contact the supplier or Cemix® LTD. who will replace it at no cost.

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