

3 COMPONENT EPOXY MORTAR

DESCRIPTION

A solvent free 3 component repair mortar which when mixed produces a trowelable mortar with good adhesion to cement bound surfaces.

USES & ADVANTAGES

Condur EM is a high strength material with no shrinkage, and suitable as a bedding or underfilling mortar (dry pack) or for the repair of horizontal surfaces such as industrial floors, joint arises in roads, bridge decks, concrete runways and precast units. An economical material which is solvent free.

Advantages include:-

- Chemical resistance.
- Shrinkage free hardening.
- Rapid hardening.
- High mechanical strength.
- Curing is not affected by high humidity.
- Abrasion & Impact resistant.
- Vibration resistant.

PROPERTIES

Appearance:

Grey (A : Transparent,
B : Transparent, C : Grey)

Density:

Approx. 1.6-1.7 kg./l.

Compressive Strength:

Approx. 60 - 70 N/mm²

Pot Life:

30 - 45 minute at 23°C

Bond Strength:

2 - 3 N/mm² (concrete failure)

Flexural Strength:

20 - 25 N/mm²

Tensile Strength:

10 - 15 N/mm²

Chemical resistance:

Citric Acid 10%	Excellent
Tartaric Acid 10%	Excellent
Acetic Acid 5%	Satisfactory
Nitric Acid 25%	Good
Hydrochloric Acid 25%	Excellent
Sulphuric Acid 50%	Very Good
Sodium Hydroxide 50%	Excellent
Diesel Fuel / Petrol	Very Good
Sugar Solutions	Very Good
Lactic Acid	Very Good
Hydrocarbons	Very Good
Phosphoric Acid 50%	Very Good

Note: To obtain performance characteristics stated in this data sheet, the mixing ratio must be maintained.

SUBSTRATE PREPARATION

Surface preparation is important. All surfaces should be dry, clean, free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding. Steel surfaces should be grit blasted to white metal.

PRIMING

For maximum adhesion of heavily filled mortars etc. the surfaces to be treated should be primed by mixing A & B in the packed ratio. Apply with a stiff brush, work in well.

MIXING

Mix component A and B thoroughly with a slow speed drill for 1 - 2 minutes. (Max 400 R.P.M.) Then add component C for the desired consistency and mix until a homogeneous mortar is achieved.

APPLICATION

Whilst the primer is still tacky spread the material and trowel firmly into place. For large volumes apply in layers ensuring the previous layers have hardened and cooled. Contact Cormix International Ltd. for advise on difficult applications.

CLEANING

Clean all tools and equipment immediately with **Cormix Cleaner**.

IMPORTANT NOTES / SPECIFICATION CLAUSES

The minimum and maximum substrate application temperature should be 5°C and 40°C respectively. For additional information contact Cormix International Technical Service Department.

PACKAGING

A+B+C 10 kg. premeasured sets or larger packaging upon request.

STORAGE & SHELF LIFE

Store in dry conditions between 5-40°C. The shelf life is 12 months when stored correctly in unopened original containers.

HEALTH & SAFETY

Avoid contact with skin and eyes and avoid breathing vapour. Use only in well ventilated areas away from heat sparks or naked flame. Wear suitable protective clothing, gloves and eye protection when mixing or using. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do **NOT** induce vomiting give a glass of water. If in eyes, hold eyes open, flush with water for at least 15 minutes and see a doctor. If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

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Rev. 009 : Jun 2010

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