

Contite[®] Seal Mortar



CRYSTALLINE READY MIX REPAIR MORTAR

DESCRIPTION

Contite Seal Mortar is a crystalline cementitious ready to use waterproof mortar for repairing & sealing concrete. Calcium silicate gel is formed as the chemicals in the mortar react with calcium hydroxide and moisture to seal joints and shrinkage cracks.

USES & ADVANTAGES

Contite Seal Mortar is normally applied in conjunction with **Contite Seal**. Uses include filling of reglets at joints & coves, filling of tie holes, patching construction joints, filling of routed out cracks and repairing of minor spalled & honeycombed sections of concrete.

Advantages include:-

- Can apply to damp / moist concrete.
- May be applied to positive or negative side of structure.
- Easy mixing & installation.
- Allows concrete to breathe.
- Non toxic or flammable.
- Unaffected by freeze thaw.
- Will seal shrinkage cracks.

PROPERTIES

Appearance:	Light Grey powder
Pot Life:	25-40 minutes depending on weather conditions
Setting Time:	Approx. 2 hours depending on weather conditions
Specific Gravity:	Approx. 2.25
Compressive Strength:	45-50 N/mm ² at 28 days

Properties are values achieved under laboratory conditions. Temperatures, humidity, site conditions & mix ratios may influence these values.

** Properties are typical under laboratory conditions and do not constitute a specification. Field trials are recommended.*

SURFACE PREPARATION

Surfaces to be treated with **Contite Seal Mortar** must be sound. Remove all dirt, loose debris, laitance, curing compounds, mould oils, grease, paints or other materials that will interfere with the penetration of **Contite Seal** chemicals. The surface once sound should be saturated with water ideally by low pressure water blasting to remove any remaining contaminants & drive moisture into the concrete. The surface must be damp when applying the material. All areas to be treated should be roughened, honeycombs & spalls shall be cut out to sound concrete, tieholes roughened & cracks routed out into a U-shape at least 20 mm. wide & 20 mm. deep.

MIXING

Add 14% water by weight of **Contite Seal Mortar** to achieve a trowelable mortar consistency. Only enough material should be mixed that can be consumed within 30 minutes.

INSTALLATION

Honey combs, spalls etc.

Having prepared a sound surface & saturated it apply **Contite Seal** prime slurry coat at 1 kg/m² whilst still green apply **Contite Seal Mortar** in layers up to the fill depth of the repair. The maximum layer should be 10-14 mm. leave a scratched surface to receive the following layer and ensure the surface is presaturated with water before the next layer is applied.

Reglets & routed out cracks

After sound and saturated concrete has been achieved apply **Contite Seal** slurry at 1kg/m² over the surface or approx. 0.5 mm. thick. Whilst still green install the dry pack mortar in U-shape reglets hammer home with a piece of wood to achieve a sound dense dry pack. Apply **Contite Seal** slurry over the repaired areas as soon as the mortar has set (normally <2 hours depending on weather conditions). All areas must be saturated with water. The surface of the repairs should be left rough to receive the **Contite Seal** slurry.

Notes/Limitations

- Do not apply **Contite Seal Mortar** at temperatures below 5°C or to substrates that are frozen. Very high temperatures may reduce the setting time.
- **Contite Seal Mortar** is not to be used in expansion joints. Leaking construction joints may be repaired with **Contite Seal Mortar** in conjunction with other materials.

DO NOT use in moving joints.

CURING

Protect from extreme weather conditions. Cure with water by mist curing 3-4 times per day for 3 days.

CONSUMPTION RATES

U-shaped cracks 25x25 mm	Approx. 1.3-1.5 kg/LM.
Reglets 25x25 mm	Approx. 1.3-1.5 kg/LM.
Patches	Approx. 2.25 kg/mm/m ²

PACKAGING

25 kg plastic lined paper bags.

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STORAGE & SHELF LIFE

Store in dry conditions out of sun.
Shelf life up to 12 months. Shelf life may be shortened if high humidity or temperatures exist.

HEALTH & SAFETY

Contite Seal is alkaline, use protective gloves, glasses and protect skin. If gets into eyes clean out with water immediately, wash off skin with soap and water immediately.

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

Cormix International Limited

Regional Office,
89 Romklao Rd., Sansab, Minburi, Bangkok 10510
Tel. (66 2) 917 3955-8, 543 8890
Fax. (66 2) 917 3959, 543 8891
<http://www.cormix.com> E-mail : info@cormix.com

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