

Technical Datasheet

CHEMfix 35

Fast Setting Plugging Mortar

Description

CHEMfix 35 is a fast setting, plugging mortar supplied in powder form. It requires only the addition of water and hardens in a matter of seconds to seal leaks, even in running water. Water flow can be stopped by mixing the to a malleable consistency **CHEMfix 35** and using as a plug.

Advantages

- Rapid setting Typically 30 60 seconds.
- Easy to use simply add water.
- Chloride free no risk to steel reinforcement.
- Non-toxic suitable for use in potable water systems.
- Premixed giving consistent quality and results.

Typical applications

- Water retaining structures, basements, lift wells, inspection pits, tunnels and underground structures.
- Joint filling, concrete tunnel segments and pipes.
- Pointing and patch repairs prior to application of waterproof renders or the **CHEMfix1** crystalline waterproofing system.

TECHNICAL INFORMATION

Properties listed are only for guidance and are not a guarantee of performance

Density : 1950 kg/m^3

Strength development : 3N/mm² 15 mins

6N/mm² 1hour 7N/mm² 24 hours

Applications procedure

Surface preparation:

Surface to be plugged must be clean and free from dust, oils, grease, laitance, curing compounds, residual mould oils or other contaminants that could impair adhesion.

Application

- 1. To plug leaks under pressure chase out the area of the leak to a depth of 20mm and until water flow is free.
- 2. Using a gloved hand, pre-treat the surrounding area by applying the dry **CHEMfix 35** powder until subsidiary seepage stops.
- 3. Prepare a plug of material by mixing powder with sufficient water to obtain a malleable consistency. Using a gloved hand, press the plug firmly into the main leak and hold it in place until set. If necessary, apply a further amount of **CHEMfix 35** powder onto the surface.
- 4. Continue precautionary waterproofing using the **CHEMfix 1** system.



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Mixing instructions

CHEMfix 35 can be mixed with either a clean rod or gloved hand to the desired consistency.

Mix only the quantity which can be used immediately.

Mix **CHEMfix 35** powder with water in the ratio 3:1 by volume. **CHEMfix 35** Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all **CHEMfix** technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

Watchpoint

Under NO circumstances should water be increased beyond this ratio. Materials will have semi-dry mix consistency to allow for hydration to take place with leakage water.

Equipment care

Clean tools and equipment immediately after use with water. Hardened CHEMfix 35 can only be removed mechanically.

Storage

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult **CHEMfix's** Technical Services Department. Shelf life is six months.

Packaging

CHEMfix 35 is supplied in 5 kg units which will yield approximately 2.5 litres of mortar.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried). Treat splashes to skin and eyes immediately. If accidentally ingested, seek medical attention. Reseal containers after use. For further information including disposal instructions refer to the Material Safety Data Sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local CHEMfix representative.

CHEMfix reserves the right to have the true cause of any difficulty determined by accepted test methods.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

82, Great Eastern Street London EC2A 3JF. UK. Tel: 02-07-2477775 - 07-811155379 (Associated Company of I-Courier) E-Mail: info@chemfix.org Web Site: www.chemfix.org, www.chemfix.org,