

# 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.

## 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.

## TECHNICAL INFORMATION

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

Density : 1950 kg/m<sup>3</sup>

Strength development : 3N/mm<sup>2</sup> 15 mins  
6N/mm<sup>2</sup> 1 hour  
7N/mm<sup>2</sup> 24 hours

## 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.