

Two-component mortar for cellars and underground structures**Application**

- Waterproof mortar for cellars and underground structures
- As base layer for Cemsec
- In case of active or passive hydraulic pressure
- For walls and floors

Properties

- Pre-mixed product based on polymer cement.
- Reinforced with a synthetic fibre.
- Very easy to apply.
- Adheres perfectly to the substrate.
- Resistant to water infiltration. In case of negative pressure: apply a pressure layer with Cemsec.

Directions**General instructions for waterproofing underground structures**

- The structure must be able to resist the hydrostatic pressure of the water table.
- Check that the soil and water table do not contain aggressive substances detrimental to the maintenance of such underground structures and the waterproofing coating. Special precautions should be taken if appropriate.
- The soil should be drained, if necessary, before applying waterproofing. Ensure that there is no risk of landslip.
- The waterproof coating is applied up to at least 50 cm above the presumed highest level of the water table.
- The substrate to which the waterproofing mortar is applied must be stable, clean, sound, sufficiently porous and suitable for the coating. The waterproofing mortar can be applied to both the walls and floors.

General preparation

- In the case of masonry, any bad joints should first be removed.
- All existing plaster, cement or paint layers must be completely removed down to the bare, healthy, porous substrate.
- Remove efflorescence from the substrate with a dry brush.
- Areas where joints were removed, as well as places in the masonry wall or other substrate with cavities, exposed aggregate or stable cracks need to be filled in and levelled out using Cemsec.
- In case of leaks: seal with Redivit.
- Both inside and outside corners need to be rounded (see below: "Corners and floor seams").

Processing

- Moisten the substrate well, preferably using a water hose.
- Pour component B (liquid) into a mixing tub and add component A (powder).
- Mix with a concrete mixer, electric stirrer or in a mixing tub with a mechanical mixer (speed below 800 rpm).
- Apply **Cemproof 2K** using a regular brush, a broad brush or spraying equipment.
- Process the material within 30 minutes. Do not add water if the product starts to harden in the mixing tub.
- Allow this first coat to cure overnight and check for leaks.
- In case of leaks: seal with Redivit.
- Slightly dampen the surface again and apply a second coat of **Cemproof 2K**.
- Allow this second coat to dry slightly, then directly apply the final coat of Cemsec.

General application informationTemperatures

- The inside and outside temperature should be over 0°C when applying the product and for the next few days afterwards.
- If the surfaces are exposed to driving rain, strong sunshine or a drying wind, cover the fresh mortar with a waterproof sheet to protect it from the rain or from drying out.

Corners and floor seams (horizontal floor-wall connection)

- The corners and the floor seams are slightly cut out to obtain a rough and clean surface.
- The corners and the floor seams are sealed on the bare concrete substrate. Any screed, tiles or other finishing layers must be completely removed.
- Apply the adhesion barrier with **Cemproof 2K**.
- Seal any leaks as described above.
- Apply Cemsec and round the joint.
- A round trowel is used to spread the final layer in the corners and obtain a concave joint of 5 to 6 cm.
- Then use a soft, wet brush to spread the edges of the seam evenly on the wall.
- The second layer of **Cemproof 2K** can be easily and evenly applied over these rounded corners and floor seams.

Technical aspects

Appearance	powder + liquid
Type of raw materials	polymer cement fire-dried quartz sand quartz powder
Grain size fillers	0,2 – 0,6 mm
Colour	grey
Specific gravity	1,3
Compressive strength (28d)	+/- 45 N/mm ²
Rain resistant	after 24 hours

Mixing ratio

Component A	20 kg
Component B	5 ltr

Quantity to use

+/- 2 kg/m² per layer (recommended: 2 layers)

Packaging

Sets of 25 kg

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Store the product and its packaging dry and protect against moisture.

Storage life

1 year after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.