



Cembond®Rapid 937 KSM

Sulphate resistant repair mortar

Cembond®Rapid 937 KSM a fast setting repair mortar made of special cement mixtures, silicat additives and a special multi-functional Polymer component. Cembond®Rapid 937 KSM is sulfate resistant and suitable for concrete repair in sewage plants.

Cembond®Rapid 937 KSM mortar for reprofiling and coating of mineral surfaces. Due to Cembond® formula made of highly sulfate-resistant cements, crystal quartzes in graded grading curves, microsilicates and a reactive organic component, a mechanically and chemically extremely resistant building material with minimal shrinkage is produced after curing.

Cembond®Rapid 937 KSM is easy to apply and comes with an excellent adhesion on mineral surfaces. Cembond® mortar is resistant to frost and de-icing salt, sea water, aggressive water coming from sewage plants and agriculture.

Processing

The substrate must be solid, load bearing and open-pored in the contact area. Release agents, bitumen, oils and greasy residues, paint coats, cement paste and elutriable components must be removed completely (by setting, blasting, etc.). The substrate may be matt damp, but must not be pore-saturatingly wet.



Mix 25 kg Cembond®Rapid 937 KSM with 3.5 - 4 kg tap water in a clean container for at least 3 minutes, using a mechanical stirrer. The mixed mortar must be homogeneous and lump-free. The working consistency can then be adjusted with little water if necessary. Always mix whole containers!

Application manual with suitable tools or a fine mortar sprayer. Do not process below +5°C or on frozen surface.

In the case of flat coatings, 8 to a maximum of 12 mm should be applied in one operation. The mortar can be smoothened or rubbed after application. If several layers are applied, the application should be done fresh in fresh. The waiting time between the application of two coats is about 2 hours.

Fresh mortar must be protected for extreme influences such as direct sunlight, wind, rain, frost. Cembond®Rapid 937 KSM must be fully cured before water contact. Closed rooms must be ventilated, but never blow directly onto fresh mortar.

Properties*

Packaging	Powder mixture, light grey
Bulk density	1,55 - 1,7 g/ml
Water	3 - 4 litres per 25 kg powder
Density fresh mortar	1 - 2,1 g/ml
Curing time	90 - 120 Min/20°C
Development of compressive strength at 20°C	<p>≥ 5 N/mm² after 3 hours</p> <p>≥ 10 N/mm² after 24 hours</p> <p>> 35 N/mm² after 28 days</p>
Adhesive tensile strength, 20°C	≥ 17 N/mm ² after 28 days

* The above mentioned values are average values evaluated in lab tests. In practice, deviations are possible due to influences during processing (temperature, moisture, substrate condition).

Storage Work Safety Disposal

Cembond® products do not pose any particular risk during transport and storage. However, the product must be stored in a cool and dry place and in such a way that it is not accessible to unauthorised third parties and children.

Cembond®Rapid 937 KSM contains cement. The product irritates the skin. Risk of serious eye damage. Do not inhale dust. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with water and seek medical advice. Wear suitable protective clothing and goggles.

Material residues and set mortars made of Cembond®Rapid 937 KSM can be disposed of like conventional construction waste. The packaging consists of paper and PE and is recyclable.

For all ARCAN products are material safety data sheet available. MSDS contain all relevant information for safe and secure handling, transport and storage. It is recommended to observe these safety data sheets and make them available to all those who handle the products.

These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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ARCAN Waterproof

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