

Reniment[®] RSM

Chloride-free quick-setting repair mortar.



Fields of application

Reniment[®] RSM is ideal particularly for urgent adjustment fillings and repair work at concrete elements, and for filling the shrink holes at exposed concrete surfaces. It furthermore suitable for placing pipe connections, touching up spun concrete pipe sleeves, fastening dowels or anchors, etc.

Properties / effects

Polymer-modified quick-setting cement, ready for use after addition of water. Free of substances causing corrosion and blistering. After curing, water-impermeable, weatherproof, frost-proof, colour-fast. The polymer modification gives this touch-up mortar an excellent bond to the substrate and low residual stress, which helps to prevent tearing.

Special properties

- Can withstand loads after 35 minutes at +20 °C
- Polymer-modified
- Low residual stress
- Excellent bond to the substrate

Reniment[®] RSM is available in dark grey and white-grey. The colours can be mixed to adapt the hue of the mortar to the substrate.

Technical data	Reniment [®] RSM
Base	Combination of inorganic binders, fillers, additives
Consistency	Powder
Colour	Dark grey, light grey
Bulk density	approx. 1.3 kg/dm ³
Bending tensile strength (28 days)	5.7 N/mm ²
Compression strength (28 days)	23.7 N/mm ²
Pot life (20 °C)	approx. 25 minutes
Can withstand loads (20 °C)	approx. 40 minutes

Setting is temperature-dependent: Setting is accelerated by hot and delayed by cold temperatures.

At +10 °C, the pot life is approx. 55 minutes. The preparation temperature should not be lower than +5 °C.

Product preparation

The substrate must be clean, firm, sufficiently absorbent, and have sufficient grip. Residues of formwork oil or cement paste must be removed. Before applying Reniment[®] RSM grout, pre-moisten the substrate. For preparation, put the water in the pot first, then add to powder, stirring constantly. Do not add the water to the mortar to avoid premature setting. Stop stirring imme-

diately once you have produced a lump-free, stiffly malleable mortar. Do not overstir as this will interfere with the setting of the mortar, making it unfit for use. Do not mix more material than can be used within the specified time. Hot temperatures accelerate the setting process, cold temperatures delay it. Once applied, protect the mortar against premature dehydration. Add clean sand and 1 part AUDAX Haftemulsion 1/W1 to prepare an easy-to-process, pore-filling slurry mortar which is rubbed after setting with a moistened polystyrene or rubber float. Reniment® RSM is not recommended for thick coats of material or rendering-type coatings.

Reniment® RSM mortars are suitable primarily for filling smaller-sized rock pockets, shrink holes, or broken-off edges. Broken-off edges larger than 100 cm³ must be slimmed with sand grain 0–4 mm in a ratio of 2 parts Reniment® RSM to 1 part of sand. For larger defects requiring coats of several centimetres thickness, we recommend to carry out a repair with Reniment® FM (see separate data sheet Reniment® FM).

It not allowed to make thickened material usable again by adding water, as this will cause tearing.

Tools

The usual trowels, truing devices, and floats with rigid foam or foam rubber can be used for processing.

Consumption

The consumption per mm coating thickness is 1.8 kg/m². Bulk density 1.5 kg/dm³.

Health and safety / environmental protection

GISCODE ZP 1: According to TRGS 613, Reniment® RSM is a low-chromate composition containing cement. The accident prevention and health protection measures specified in the safety data sheet and the

labelling must be complied with. The correct and thus successfully application of our products is beyond our control. Accordingly, we can only warrant for the quality of our products in the frame of our Terms and Conditions of Sale but not for the successful application of our products.

Quality assurance

During production, Reniment® RSM SUPER is subject to strict controls pursuant to ISO 9001:2000.

Storage / shelf life

When dry and in its original closed container, the product can be for stored for a minimum of 12 months. Opened buckets must be closed immediately after use.

Delivered in:

14 kg plastic bucket

The information is based on our current technical knowledge and experience. Due to the wide range of potential influences during processing and application of our products, this information does not release the user from the obligation to carry out test and trials; the information is to be considered general guidelines only. A legally binding assurance of certain properties or of the suitability for a specific use cannot be deducted from it. The user is solely responsible for ensuring compliance with any proprietary rights, applicable laws and regulations.



AUDAX is in compliance with the specifications of standards DIN ISO 9001.

This certificate is another proof for the quality, reliability, and safety of Renitherm®.