

# Reniment<sup>®</sup> RSM Super

Chloride-free quick-setting repair mortar.



## Fields of application

Reniment<sup>®</sup> RSM Super is a particularly versatile construction material for precast concrete elements, artificial stone, plastering, floor screed, or brickwork. It is also suitable for use as quick-setting additive for all plastering and concrete work. Reniment<sup>®</sup> RSM Super is ideal for quick filling and casting of holes or radiators, fastening of sheathing etc. Do not bring non-ferrous metals such as zinc, aluminium, copper, or lead in direct contact with Reniment<sup>®</sup> RSM Super mortar. Cover these materials with a non-porous corrosion protection coat before applying the mortar. Reniment<sup>®</sup> RSM Super is furthermore particularly well suited for sealing seepage spots in basements, galleries, man-holes, etc.

## Properties / effects

Reniment<sup>®</sup> RSM Super is a quick-setting additive and compatible with all cements pursuant to DIN 1164. Curing is temperature-dependant and starts after approx. 3–8 minutes in a temperature range of 0 °C to + 20 °C. Curing is completed after 12 to 15 minutes. Curing is accelerated by hot and delayed by cold temperatures. Thanks to the high bonding strength of Reniment<sup>®</sup> RSM Super, coarse sand can be added when filling larger-sized hollows. The resulting delay in curing is very small. The ultimate strength is reduced with increasing quantities of sand.

## Special properties:

- Very versatile
- Very high initial and ultimate strength
- Free of chloride
- No blistering

## Product preparation: Underground

The substrate must be clean, firm, sufficiently absorbent, and have sufficient grip. Before applying Reniment<sup>®</sup> RSM Super grout, pre-moisten the substrate.

Technical data	Reniment <sup>®</sup> RSM Super
Base	Combination of inorganic binders, fillers, additives
Consistency	Powder
Colour	Cement grey
Bulk density	approx. 1.3 kg/dm <sup>3</sup>
Pot life	3–8 minutes
Mixing ratio	2–3 parts Reniment <sup>®</sup> RSM Super and 1 part water
Processing	Pouring, trowelling, stuffing
Ready to walk on	After approx. 10–12 hours
Ready for tiles fixing	after complete drying (approx. 24 hrs. at +20 °C and 50 % rel. humidity)

## Preparation

Proceed quickly when preparing Reniment® RSM Super as curing starts after only approx. 8 minutes. Do not mix more material than can be used within this time. Do not overstir as this will interfere with the curing of the mass, making it unfit for use. Always add Reniment® RSM Super to the mixing water. Do not add the water to the mortar to avoid premature curing. With temperatures < +5 °C, Reniment® RSM Super should be mixed with warm water so that quick curing is not delayed. Reniment® RSM Super can be mixed with sand and/or cement pursuant to DIN 1164. Never mix Reniment® RSM Super with gypsum or allow it to come into contact with it.

## Sealing seepage spots

2 parts Reniment® RSM Super mixed with 1 part water make a thin casting compound. When Reniment® RSM Super is to be used for making models, thinly coat the inside of the die with fluid wax or other suitable separating agents. For models cast with lead, the separation layer can be omitted.

## Application of rendering on moist, non-absorbent substrate

Add 10–20 weight % Reniment® RSM Super to the readily mixed cement mortar. This ensures instant stability of the render. The water impermeability is increased.

## Touching up concrete and ready-mix concrete elements

Mix 2–3 parts Reniment® RSM Super with 1–3 parts coarse sand. Then, add water to produce a malleable mortar. Before applying the touch-up mortar, pre-moisten the damaged spot thoroughly.

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.

## Consumption

**2 parts** Reniment® RSM Super and 1 part water: approx. 1.4 kg/dm<sup>3</sup> filling space.

**3 parts** Reniment® RSM Super and water: approx. 1.8 kg/dm<sup>3</sup> filling space.

## Health and safety / environmental protection

GISCODE ZP 1: According to TRGS 613, Reniment® RSM SUPER 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 successful 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 stored for a minimum of 12 months. Opened buckets must be closed immediately after use.

## Delivered in:

13.5 kg plastic bucket

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®.



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