



## Technical Data Sheet Art. No. 0519

# Compound Mortar S

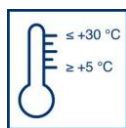
Fast setting cementing and repair mortar that can be felted  
High quality reinforcement and filling mortar for reliable and fast repairs on facades



For use  
indoors and  
outdoors



Dry mortar /  
water



Working  
temperature



Mixing time



Mortar cover  
/filling knife /  
trowel,  
sprayed



Shelf-life



Protect from  
moisture

### Range of use

- Cementing, reinforcement, filling and repair mortar for repairing old buildings and for new buildings
- For repairing cracked render and bonded thermal insulation systems on facades
- For repairing detached render and larger indentations before bedding reinforcement or texturing the surface
- For bedding reinforcement fabric in areas with cracks on render facades
- Fast filler that can be felted for creating surfaces ready for coating in just a few hours
- For cementing insulation panels in plinth areas and in indoor areas (above the ground)
- For smoothing unevenness in texture on cleaned and load-bearing old render

Remmers Compound Mortar S can be used on mineral substrates suitable for the application of render, e.g. masonry brick, sand-lime brick, concrete, aerated concrete, rubble stone and lime-cement render.

### Characteristic data of the product

Colour:	off white
Bulk density:	approx. 1.4 kg/dm <sup>3</sup>
Largest grain:	0.5 mm
Working time:	approx. 45 minutes
Compressive strength after 28 days:	approx. 10 N/mm <sup>2</sup>
Capillary water absorption:	$w < 0.2 \text{ kg/m}^2\text{h}^{0.5}$
Water vapour diffusion $S_d$ :	0.5 m (2 mm thick layer)

### Property profile

Compound Mortar S is factory-mixed, highly modified, mineral facade repair mortar. The mortar is easily applied by hand as well as by conventional machines equipped with an after mixer.

- Very smooth and easy to work
- Can be coated over or painted after approx. 2 hours
- Stable, high yielding, machine workable
- Adheres well when used as a cement for insulation panels and for coating cementitious substrates
- Water repelling, highly water vapour permeable
- Water, weather and frost resistant, stress equalising

### Substrate

The substrate must be load-bearing and free of substances that could interfere with the adhesion. Thoroughly remove old and damaged renders and coatings that do not adhere soundly. The strength and adhesion of load-bearing synthetic resin renders to the substrate should be tested in the dry and wet state. Clean old render surfaces.

Infestation with alga, fungi or moss should be treated with Remmers Impregnation BFA (Art. No. 0673) and washed off after the acting time with a high pressure water jet. Load-bearing old coats of paint/coatings that do not chalk should also be cleaned with high

pressure equipment. The substrate should be dry and not show any pressing moisture. Treat rising damp in the Remmers Kiesol System. Adhesion on absorbent substrates can be improved by light pre-wetting.

Partially detached areas of render and larger indentations (even several centimetres) can be quickly closed with Compound Mortar S. Reinforcement filling, surface texturing or coatings can be applied after approx. 2 hours.

## Directions

**Pour 5.7 to 5.9 litres of water** into a clean container (mortar tub) and add **25 kg Compound Mortar S**. Mix the mortar thoroughly with a mixer or mixing tool for approx. 3 minutes until homogeneous and the proper working consistency has been achieved.

### ▪ Layer of reinforcement

When applying Compound Mortar S as a reinforcement layer on cracked render substrates or on the surface of insulation panels, the mortar is applied in a layer 3 to 4 mm thick, using a toothed trowel and combed while fresh. Lay Reinforcement Fabric 5/100 (Art. No. 3880) directly into the fresh bonding mortar and level the surface with a smoothing trowel.

Make sure that the sheets of reinforcement fabric overlap 10 cm. This reinforcement layer should be 3-4 mm thick but not exceed 6 mm. The fabric should lie in the upper zone and be covered by at least 1 mm of the bonding mortar. If necessary, apply an additional thin filling layer. In areas around openings in buildings, add additional diagonal reinforcement.

If work is interrupted, the edge zone of the last sheet of reinforcement fabric should be left without bonding mortar approx. 20 cm wide so that when work is continued, the next sheet of reinforcement fabric can be overlapped 10 cm and fresh bonding mortar can be applied seamlessly.

### ▪ Surface texturing

To smooth over trowel marks, apply a thin coat (2-3 mm) of mortar and after 30 to 45 minutes, rub with a red foamed rubber float to create a smooth substrate that is ready for coating. Smooth, fine render coatings that can be felted can also be executed with Remmers Fine Render (Art. No. 0408). Other decorative or finishing renders such as Decorative Render L (Art. No. 0515) can be applied to the reinforced layer after a waiting time of 2-3 hours (depending on weather).

### ▪ Coating

Surfaces in outdoor areas should then be coated with Remmers Silicone Resin Paint LA (Art. No. 6400-6430) or Remmers Historic Scumble (Art. No. 6476)

### ▪ Cementing insulation panels

Insulation panels in indoor and outdoor areas (above ground level) are cemented using a point-bead or combed bed procedure.

Place the boards in bond tightly next to each other. On uneven substrates, the spot-bead method is used for cementing and the mortar is applied to the back side of the panels. At least 40% of the surface of the substrate must be cemented and the edges of the panels must be completely cemented. Slope the mortar toward the edges so that no cement is pressed in between the panel joints. At least 6 cementing spots should be placed per 0.5 m<sup>2</sup> panel surface. Insulation panels should not be cemented only by spot cementing.

On highly uneven substrates, apply the mortar with a toothed trowel, using a combed bed method, positioning the panels in place immediately afterward.

## Notes

Do not interrupt work when coating continuous surfaces. On larger surfaces and when there are several levels of scaffolding, coating should be carried out on all levels at the same time to avoid seams.

Initially set mortar cannot be made workable again by adding water or fresh mortar. Do not use if the temperature of the substrate, air

and building material are below 5 °C or above 30 °C. The characteristic data given for the product was determined under laboratory conditions at 23 °C and 50 % relative humidity. Lower temperatures increase, higher temperatures reduce working and setting time. Do not use in direct sunlight and protect from drying out too quickly (in sunlight, wind or drafts).

**Do not use on gypsum substrates.**

## Tools, cleaning

Mixing equipment, mixing paddle, positive mixer or render machines with an after mixer, e.g. P.F.T. G4 with Rotoquirl, Putzknecht S 48 classic or S 58, both with after mixer.

Float, trowel, toothed trowel, smoothing trowel, felting float with red foamed rubber.

Clean tools and equipment with water while the mortar is still fresh.

## Packaging, application rate, storage

### Packaging:

25 kg paper bags

### Application rate:

Approx. 1.3 kg/m<sup>2</sup>/mm layer thickness

### Shelf-life:

Approx. 12 months in closed bags, stored dry

## Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as on disposal and ecology is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

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