

Technical Data Sheet
Art. No. 0517

Compound Mortar

- VM Fill -

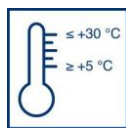
Universal cementing and reinforcement mortar



For use indoors and outdoors



Dry mortar / water



Working temperature



Mixing time



Filling knife/
Applied with a trowel/ toothed trowel/ Spraying



Total application rate per mm thick layer



Protect from moisture!



Shelf-life

Range of use

- Cementing, reinforcement, filling and repair mortar, for the restoration of old buildings and for new buildings
- For repairing cracked render and bonded thermal insulation systems on facades
- For bedding reinforcement fabric
- For smoothing uneven textures on old, cleaned and load-bearing render surfaces
- For repairing small holes and missing areas
- For attaching insulation panels in interior and plinth areas (above ground level)
- Can be applied on mineral, substrates suitable for renders, e.g. brick masonry, sand-lime bricks, concrete, aerated concrete, rough cleft stones and lime-cement renders.

Property profile

- Can be applied by hand as well as by conventional rendering machines equipped with an after mixer

Characteristic data of the product

Colour:	off white
Bulk density:	approx. 1.4 kg/dm ³
Largest grain:	0.5 mm
Compressive strength	> 5 N/mm ²
Capillary water absorption w:	< 0.2 kg/(m ² *h ^{0.5})
Water vapour diffusion s _d :	0.5 m (2 mm thick layer)

- Very smooth and easy to work
- Stable and high yielding
- Adheres well when used as a cement for insulation panels and as a coating on cement-based substrates
- Water repelling, highly water vapour permeable
- Water, weather and frost resistant, stress-equalising

Possible system products

- Mould Restoration Filler (2996)
- Fine Mould Restoration Filler (2997)
- Tex 4/100 (Art. 3880)
- Compound Mortar S (Art. 0519)
- BFA (Art. 0673)
- Silicon Resin Paint LA (Art. 6400)
- Historic Scumble (Art. 6476)
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Work preparation

Requirements of the substrate

Load-bearing, clean and dust-free

Preparation

Infestation with alga, fungi or moss should be treated with BFA 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 Kiesel System. Adhesion on absorbent substrates can be improved by light pre-wetting.

Directions

Working conditions

Temperature of the air, substrate and building material: +5 °C to +30 °C

Low temperatures lengthen, high temperatures reduce working and setting time.

Working time (+20 °C)

Ca. 3 hours

Pour 5.8 to 6.0 litres of water into a clean container (mortar tub) and add 25 kg Compound Mortar. 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 as a reinforcement layer on render substrates or on the surface of insulation panels, the mortar is applied in a layer 3 to 4 mm thick with a toothed trowel and combed while fresh. Lay Tex 4/100 directly into the fresh bonding mortar and level the surface with a smoothing trowel. Make sure that the sheets of 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, bed additional diagonal reinforcement. If work is interrupted, the edge zone of 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.

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

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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.

Coating

Surfaces in outdoor areas should then be coated with Remmers Silicone Resin Paint LA or Remmers Historic Scumble.

Cementing insulation panels

Insulation panels in indoor and outdoor areas (above ground level) are cemented using a point-bead or combed bed procedure. Lay the panels in a 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 points should be placed per 0.5 m² panel surface. Insulation panels should not be cemented by spot cementing alone. On highly uneven substrates, apply the mortar with a toothed trowel, using a combed bed method and press the panels in place immediately afterward.

Notes on application

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.

Protect the mortar surface for at least 4 days from too fast dehydration and weather influences, such as sun, wind, drafts, frost and rain.

The surface of the render should be free of cracks hairline cracks/shrinkage cracks are harmless and are not to be faulted since they do not compromise the technical properties of the product.

Application rate

Approx. 1.2 kg/m²/mm layer thickness

Notes

May contain traces of pyrite (iron sulphide).

Do not use on gypsum substrates.

Mixing water must be of potable water quality.

Low in chromates in accordance with Directive 2003/53/CE

Always set up a trial area(s)!

Tools, cleaning

Mixing equipment, float, smoothing trowel, toothed trowel, felting float with red foamed rubber.

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

Packaging

25 kg paper bags

Storage / 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 logo for Remmers, featuring a red stylized roof shape above the word "remmers" in a bold, blue, lowercase sans-serif font.