



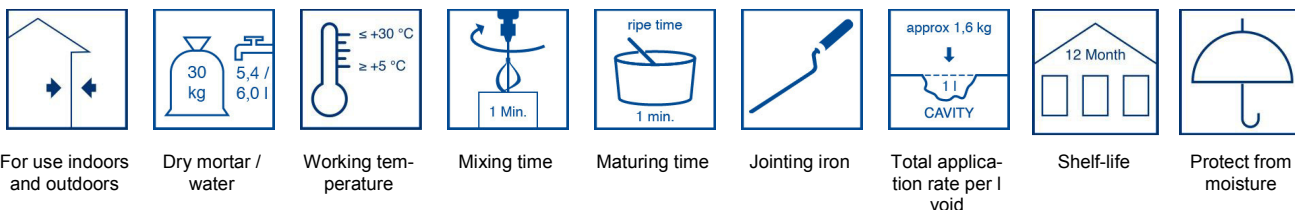
Technical Data Sheet

Art. No. 1045, 1046

Joint Mortar CF

Cement-free joint mortar

Dry mortar for repairing facades with mineral binders as well as natural, mineral aggregates



For use indoors and outdoors

Dry mortar / water

Working temperature

Mixing time

Maturing time

Jointing iron

Total application rate per l void

Shelf-life

Protect from moisture

Range of use

Remmers Joint Mortar CF is used to produce mortar joints on facades, especially by hand, with a joint width of approx. 10 - 30 mm. For low strength brick and natural stone masonry work.

Property profile

Joint Mortar CF ("cement-free") is a factory-mixed, dry mortar that can be pigmented and is ready to use after mixing with water. Setting takes place hydraulically as well as by carbonation.

The mortar has high adhesion capacity in the fresh as well as in the hardened state. Because of its relatively low strength and favourable relationship between tensile bending and compressive strength, the mortar has little tendency to crack. The hardened joint mortar is not sensitive to moisture, is water vapour permeable, resistant to water, weather and frost.

Characteristic data of the product

Art. No.

1045
1046

Bulk density:

Quantity of water added:

Working time:

Compressive strength (28 d):

Porosity of hardened mortar:

Formulation

Largest grain: 1 mm

Largest grain: 2 mm

approx. 1.6 kg/dm³

approx. 18 - 20 %

approx. 2 hours

1 - 5 N/mm²

approx. 40 % by volume

Substrate

The joints should be chased out without damaging the flanks of the joints. Missing areas in the mortar must be closed with a suitable material.

Prepare the joints so that they have an average depth of at least 2 cm (depending on joint width) when pointed. After mechanical preparation, clean the joints thoroughly, removing loose material, e.g. by blowing out with compressed air. Pre-wet the open, cleaned joint.

Directions

Pour approx. **5.4 - 6.0 l of water** into a clean container (mortar tub), then add **30 kg** Joint Mortar CF. Mix thoroughly with mixing equipment/ positive mixer for approx. 1 min. until homogeneous and lump-free and a plastic to earth moist consistence has been achieved. Allow to mature for 1 minute then add a little more water if necessary.

It is recommended to point the joints in two layers, pressing the joint mortar into the joint and levelling flush but do not 'iron' the material.

Mix only the quantity of mortar that can be applied within approx. 2 hours.

Curing:

Protect freshly filled joints for at least 1 day from drying out too quickly and the influence of weather such as sun, wind, rain, drafts and frost (if necessary, cover with plastic sheets).

Notes

It is always recommended to carry out trial pointing to check whether the shade of colour, strength and adhesion to flanks meets requirements. The actual shade of colour that results after drying and setting depends on the predominate ambient conditions and the application method used. A freshly smoothed surface will be lighter in colour compared with a surface that was smoothed later or roughened. If a special shade of colour is to be achieved, trial pointing should be carried out again with the supplied joint mortar before beginning work.

Initially set mortar cannot be made workable again by adding water or fresh mortar. Do not use if the temperature of the air, substrate and building material is below +5 °C or above +30 °C.

The characteristic data given for this product were determined under laboratory conditions at 20 °C and 65 % relative humidity. Low temperatures lengthen, high temperatures reduce working and setting time. May contain traces of pyrite or iron sulphide.

The normal rules of the trade and standards apply. If efflorescence should occur due to unfavourable weather conditions or insufficient curing, it can be removed 1 - 2 weeks later with Clinker Cleaner AC (Art. No. 0672).

To reduce water absorption, the entire facade can be treated with a hydrophobizing impregnation agent afterwards.

Do not use on facades that are damp from behind to prevent discoloration and efflorescence. There may be slight differences in the shade of colour of different batches! When applying to an entire surface, use only material from the same batch; otherwise the batches must be mixed.

Low in chromate pursuant to RL 2003/53/EC

Possible system products

- Fungosil hydrophobising products
- Haftfest (0220)
- Clinker Cleaner AC (0672)

Tools, cleaning

Mortar mixer, mixing paddle, trowel, joint iron
Clean tools with water before the mortar sets.

Packaging, application rate, shelf-life

Packaging:
30 kg paper bags

Application rate-dry mortar:
Approx. 1.6 kg/l void, depending on joint width and depth

Shelf-life:
Approx. 12 months stored dry in closed bags

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as 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.

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.



Remmers GmbH
Bernhard - Remmers - Str.13
D – 49624 Lönningen

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Joint Mortar CF

Designed general purpose masonry mortar for external use in wall, pillars, and dividing masonry walls (indoors or outdoors) in elements subject to structural requirements

Compressive strength:	M 1
Adhesive shear strength: (measured valued)	0.10 N/mm ²
Content of chlorides:	≤ 0.01 % by mass
Reaction to fire:	Class A1
Water absorption:	≤ 1.0 kg/(m ² • min ^{0.5})
Water vapour-permeability: (tab. value EN 1745)	μ 5/35
Thermal conductivity (λ10,dry): (tab. value EN 1745)	≤ 0.83 W/(mK) for P = 50% ≤ 0.93 W/(mK) for P = 90%
Durability: (against free-thaw)	resistant, by use acc. to TDS



Remmers (UK) Limited Crawley
United Kingdom
Tel: +44 (0) 1293 594 010
Fax: +44 (0) 1293 594 037
www.remmers.co.uk