



## RM GM M20

### - Priming Mortar -

Mineral stone substitution mortar for filling deep missing areas

| Strength  | Availability           |                |                |
|---|------------------------|----------------|----------------|
|   | Quantity per pallet    | 64             | 32             |
|   | <b>Size / Quantity</b> | <b>5 kg</b>    | <b>15 kg</b>   |
|   | Type of container      | Plastic bucket | Plastic bucket |
|   | Container code         | 05             | 15             |
|   | <b>Art. no.</b>        |                |                |
| <b>Standard product, not hydrophobic</b>  |                        |                |                |
| M20   | 0643                   | ■              | ■              |
| Different grain sizes of the same product can lead to slight differences in colour. |                        |                |                |

#### Application rate

Approx. 1.8 kg/l void

Apply to a large enough trial area to determine the precise amount required.



#### Range of use

- Core construction underneath restoration mortars, in deep missing areas



#### Property profile

- Low free alkali content
- Good flank adhesion
- Low inherent stress

#### Characteristic data of the product

|                                     |                               |
|-------------------------------------|-------------------------------|
| Water requirement                   | 3.25 - 4.15 l/25 kg           |
| Compressive strength (28 d)         | > 20 N/mm <sup>2</sup>        |
| Flexural tensile strength (28 days) | Approx. 5 N/mm <sup>2</sup>   |
| E-modulus (DIN 1048)                | Approx. 18 kN/mm <sup>2</sup> |
| Maximum grain size                  | 2 mm                          |

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

#### Possible system products

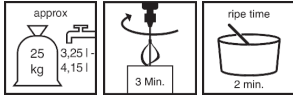
- [Antihygro \(0616\)](#)
- [RM \(0750\)](#)
- [RM pro \(0596\)](#)

#### Preparation

- **Substrate requirements**  
Clean, dust-free and capable of supporting a load.
- **Substrate preparation**  
Any necessary cleaning measures should be performed as gently as possible, e.g. by spraying with cold or hot water or steam cleaning; stubborn dirt should preferably be cleaned using the rotac soft blasting method or Remmers cleaning products (e.g. Clean FP, Clean AC basic, Clean WR).  
Preserve valuable heritage ornamental elements and statues by carefully removing encrusted dirt and using the appropriate Remmers Stone Strengthener to carry out repeated intensive strengthening.

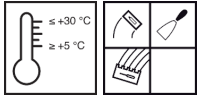


### Production of the mixture



- **Mixing**  
Pour water into a clean container and add dry mortar.  
Mix thoroughly for approximately 3 minutes until the proper consistency for working has been achieved.  
Maturing time approx. 2 minutes  
Mix again and, if needed, add a small quantity of water.

### Directions



- **Conditions for use**  
Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.  
Low temperatures increase, while high temperatures decrease the working and setting time.
- **Working time (+20 °C)**  
Approx. 30 minutes  
  
Apply a contact layer to the pre-wetted substrate using grout (dry mortar/water) in a layer thickness of approx. 2 mm.  
Apply mortar in layers from 1.5 cm to 3 cm thick into the contact layer while wet.  
Once the material has hardened sufficiently (when the grain "pops"), roughen the surface.  
Wait at least 24 hours before applying subsequent layers.

### Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.  
Protect wet mortar surfaces against frost, rain and drying out too quickly for at least 4 days.

### Notes

May contain traces of pyrite (iron sulphide).  
Low chromate content in accordance with Directive 2003/53/EC.  
The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.  
Deviations from applicable regulations must be agreed separately.  
The relevant test certificates must be observed when planning and carrying out work.

### Tools / Cleaning



Mixing tool, trowel, smoothing trowel  
Clean tools with water while the material is still fresh.

- Remmers tools
- [Mischgefäß \(4030\)](#)
  - [Collomix® Stirrer KR \(4292\)](#)
  - [Smoothing Trowel \(4004\)](#)
  - [Glättkelle \(4117\)](#)
  - [Smoothing Trowel Duo \(4118\)](#)

### Storage / Shelf life

If stored in an unopened container and in a dry place, the product will keep for approx. 12 months.



### Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

### Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

### Declaration of performance

- [Declaration of performance](#)



Declaration of conformity



**Remmers GmbH**

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

23

**GBI-P 134**

EN 998-1: 2017-02

**0643**

Restoring, supplementing and re-profiling mineral substrates such as natural stone, brick, concrete and synthetic stone. Reproducing ornamental building elements in a tamping procedure

Reaction to fire:

class A1

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.