



ZM HF [basic]

- Haftfest -

Mortar improver based on an aqueous polymer dispersion

Availability			
Quantity per pallet	360	126	50
Size / Quantity	1 kg	5 kg	10 kg
Type of container	Tin canister	Tin canister	Tin canister
Container code	01	05	10
Art. no.			
0220	■	■	■

Application rate



For bonding layers, grouts: approx. 0.1 - 0.2 kg/m²
 For bonding mortar: approx. 1.0 kg on 1 - 2 m², depending on the layer thickness
 Apply to a large enough trial area to determine the precise amount required.

Range of use



- Preparation of bonding grouts, bonding mortars, patch and repair mortars
- Improvement of screeds, renders and touch-up layers
- Primer for concretes, cement and anhydrite screeds

Property profile



- Improves adhesive bonding
- Increases compressive strength
- Increases flexural strength
- Saponification resistant

Characteristic data of the product

Adhesive shear strength	Up to 4 N/mm ²
Density (20 °C)	Approx. 1.08 g/cm ³
Polymer content	Approx. 30%
pH value	Approx. 9.0

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

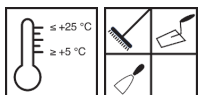
Possible system products

- [Remmers restoration mortars](#)
- [Remmers jointing mortars](#)
- [Remmers waterproofing slurries](#)
- [Remmers mineral renders](#)

Preparation

- **Substrate requirements**
 The substrate must be clean, solid and free of oils, grease and release agents.
 The substrates may be slightly damp but must not have a film of liquid.

Directions



- **Conditions for use**
 Temperature of the material, air and substrate: from min. +5 °C to max. +25 °C.
 Low temperatures will extend the hardening time while high temperatures will shorten it.

 Mortar improvement
 Dilute the material with water and mix well (observe the correct mixing ratio).
 Use mixture as mixing water for the mortar.

 Adhesive primer
 Dilute the material with water and mix well (observe the correct mixing ratio).



Apply the mixture evenly over the prepared substrate.
In the case of highly absorbent substrates, repeat the process within 24 hours if necessary.

Tips on use

Always dilute the material with water.
Do not let excess material build up on the surface.
Take appropriate measures to protect adjacent building elements and materials that should not come into contact with the product.

Application examples

Application	Particle size	Layer thickness	Mixing water ratio Haftfest : water
Fine mortar	≤ 0.5 mm	up to 2 mm	1 : 1
Bonding grout	≤ 1 mm	up to 3 mm	1 : 1
Bonding mortar	≤ 2 mm	up to approx. 5 mm	1 : 2
Rough cast	≤ 4 mm	up to approx. 6 mm	1 : 3
Concrete replacement	≤ 4 mm	approx. 8 - 15 mm	1 : 3
Bonded screed	≤ 4 mm	up to 40 mm	1 : 4
Fine-grained concrete	≤ 8 mm	up to 50 mm	1 : 5
Primer for concretes, cement and anhydrite screeds			1 : 3
Bonding improver for waterproofing grouts			1 : 3

Notes

Always set up a trial area/trial areas first.
Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.
The relevant test certificates must be observed when planning and carrying out work.

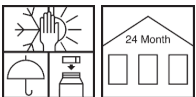
Tools / Cleaning

Wide brush, broom, spatula or trowel
Clean tools, equipment and splashed material immediately while fresh with V 101.



Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 24 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.

Biocidal Products Regulation

Contains a biocidal product (in-can preservative) with the biocidal agents CMIT/MIT (3:1) for protecting the container content from deterioration by microbial organisms (germs, yeast, etc.). Please note the processing guidelines carefully!



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.