

# MB FL 2K

Composite waterproofing?  
We get it done!

Product solutions



  
remmers

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A NEW ERA IN BONDED WATERPROOFING

# MB FL 2K

The talent: waterproofing,  
adhesive and grout in one.



## THE BENEFITS AT A GLANCE

- ✓ 3in1 – waterproofing, bonding and grouting
- ✓ Bonded waterproofing in old and new buildings
- ✓ Excellent adhesion on many substrates
- ✓ For natural stone not susceptible to discolouration
- ✓ Joints in a wide range of colour shades
- ✓ Decoupling of critical substrates

# One product, three applications

As a waterproofing specialist, Remmers is committed to protecting buildings of all kinds from moisture, repairing them and ensuring their preservation for years to come. In order to achieve this goal, it develops innovative and user-friendly products that satisfy the most exacting quality standards. MB FL 2K is the new, innovative solution for bonded waterproofing from Remmers.

It combines the properties of mineral waterproofing slurry, flexible tile cement and water-tight grout in a single product. Thanks to its exceptional adhesion and durability, this multi-talented wonder really shows its strengths in the renovation of old buildings in particular. Substrates such as old tiling are no problem for MB FL 2K.

## Product characteristic MB FL 2K

<b>Base</b>	Polymer binder, cement, additives, special fillers
<b>Density</b>	Fresh mortar bulk density approx. 1.14 kg/dm <sup>3</sup>
<b>Consistency</b>	paste form
<b>Layer thickness</b>	1.2 mm wet layer thickness yields approx. 1 mm dry film thickness
<b>Drying time</b>	1 mm layer thickness: approx. 4 hours (23 °C, 50% RH); approx. 11 hours (5 °C, 90% RH)  2 mm layer thickness: approx. 8 hours (23 °C, 50% RH); approx. 22 hours (5 °C, 90% RH)
<b>Reaction to fire</b>	Class E
<b>Rain resistance (joint)</b>	2 hours (5 °C, 90% RH)
<b>Water-tightness</b>	approx. 1.5 bar



### Waterproofing

With the flexible, mineral waterproofing slurry tested to DIN EN 14891, any job can be done safely and easily. Thanks to fast drying times, surfaces are ready for further work after just a few hours.



### Tile cement

MB FL 2K has been tested to DIN EN 12004 as a C1 E S2 flexible adhesive. Its features include maximum flexibility and a long open time, making it ideal for use on complex substrates such as old tiling.



### Grout

MB FL 2K also meets the test requirements for grouts according to DIN 13888. It can be used to create water-impermeable joints, which is especially useful in outdoor areas. Thanks to its light base colour, the mortar can be tinted to give a variety of colour finishes.

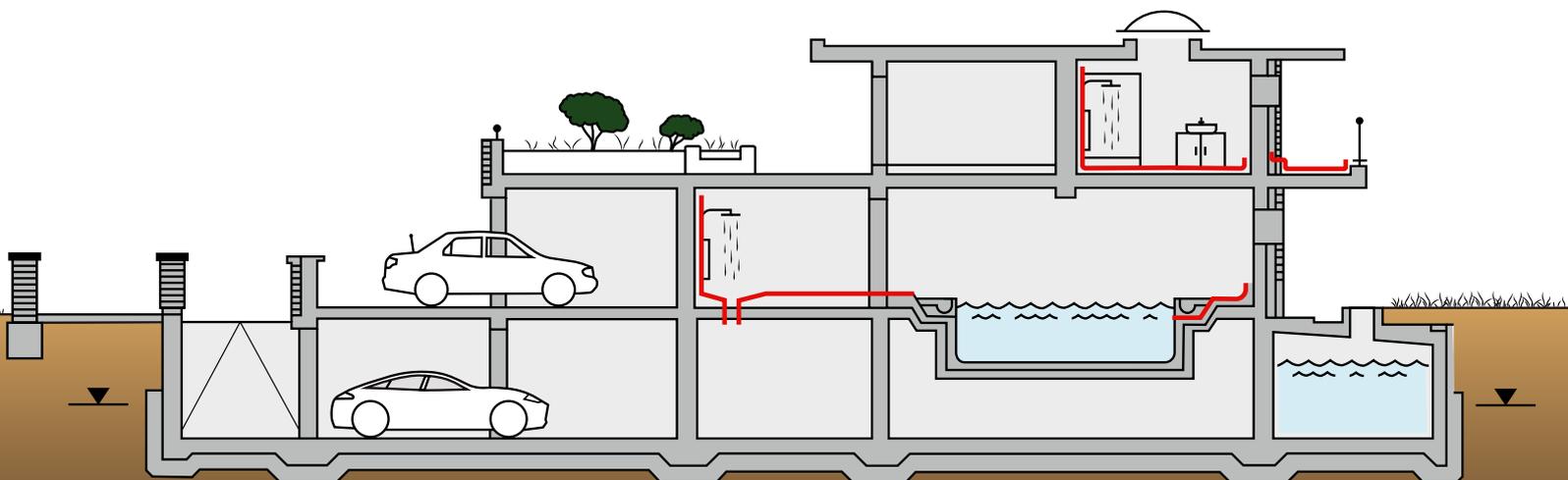
# Bonded waterproofing: a rising star

The method of installing waterproofing as a composite structure with tiles and slabs has become increasingly popular in recent decades, and with good reason. First introduced in 1987 in Germany, this method has established itself as a commonly used and highly durable waterproofing system that is backed up by real-life practice as well as regulatory frameworks.

Bonded waterproofing has had the status of a standard compliant waterproofing system since 2017, with the introduction of the DIN 18531 – 18535 series of standards.

Three sections of this standard deal with liquid-applied waterproofing materials in a bond with tiles and slabs. With a wearing surface made from tiles or slabs, bonded waterproofing can be used in compliance with the standard for waterproofing the following:

- ✓ **Balconies and walkways (DIN 18531 part 5)**
- ✓ **Interiors (DIN 18534)**
- ✓ **Tanks and pools (DIN 18535)**



Application with MB FL 2K

# Tried and tested on every terrain



MB FL 2K can be used for a diverse range of applications in compliance with the relevant standards, whether renovating an old building or constructing a new one.

The waterproofing system certified to ETAG 022 is approved for all water impact classes from W0-I to W3-1. MB FL 2K is the key to long-lasting, reliable waterproofing for domestic baths, commercial shower facilities, and areas around swimming pools.

Conventional bonded waterproofing materials under ceramic floor coverings traditionally represent a weak point. Although the wearing surface made from tiles or slabs is water-tight, water can still penetrate into the construction through the mineral grouting.

**Thanks to its special material composition, MB FL 2K offers significantly greater protection against penetrating moisture, making it an especially good choice for exterior areas such as balconies or terraces.**



# Balcony waterproofing



- ① Sloped screed (e.g. with Betofix R4 EM)
- ② Optionally: Priming with Kiesol MB
- ③ Scratch coat of MB FL 2K
- ④ First waterproofing layer of MB FL 2K
- ⑤ Embedded Tape VF
- ⑥ Second waterproofing layer of MB FL 2K

- ⑦ Adhesive bed of MB FL 2K
- ⑧ Tiling
- ⑨ Tiles grouted with MB FL 2K

**Note:** The dry layer thickness must be at least 2 mm and must be applied in 2 coats.

# MB FL 2K

## + system products

### MB FL 2K

3 in 1 composite waterproofing  
Combines the functions of water-  
proofing, tile cement and grout in  
one material

### Kiesol MB

Special primer

### Tape VF 120

High-quality, premium sealing tape  
based on nitrile rubber and coated  
with non-woven fabric

### Tape VF 250

High-quality, premium sealing  
tape based on nitrile rubber with  
double-sided non-woven fabric  
coating

### Tape VF 500

High-quality, premium sealing tape  
based on nitrile rubber and coated  
with non-woven fabric

### Pigment FL

Pigment for tinting MB FL 2K

### Clean FL

Cleaning concentrate  
for MB FL 2K



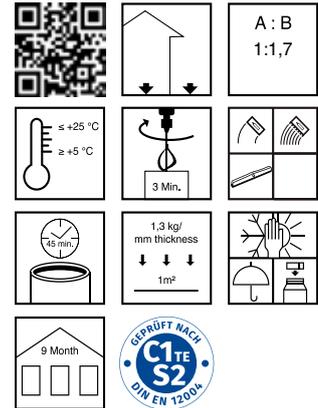
All system products  
at a glance



# MB FL 2K

3 in 1 composite waterproofing Combines the functions of waterproofing, tile cement and grout in one material

Range of use	<ul style="list-style-type: none"> <li>3 in 1: waterproofing, tile cement and joint mortar</li> <li>Interior and exterior, floor areas</li> <li>Waterproofing in a bond under tiles</li> <li>Suitable for new and old buildings</li> <li>Waterproofing balconies, loggias and pergolas</li> <li>Waterproofing bathrooms and transition areas in swimming pools</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>Highly flexible</li> <li>Water impermeable</li> <li>Reactive drying</li> <li>A light colour shade enables pigmentable joint colours</li> <li>Joint width of 6 - 12 mm</li> <li>For heated floor coverings</li> </ul>
Application rate	<p><b>As waterproofing:</b></p> <ul style="list-style-type: none"> <li>Min. 1.3 kg/m<sup>2</sup>/mm dry layer thickness</li> </ul> <p><b>As tile cement:</b></p> <ul style="list-style-type: none"> <li>8 mm tooth: approx. 2.9 kg/m<sup>2</sup></li> <li>10 mm tooth: approx. 3.5 kg/m<sup>2</sup></li> <li>12 mm tooth: approx. 4.4 kg/m<sup>2</sup></li> </ul> <p><b>As joint filler:</b></p> <ul style="list-style-type: none"> <li>Approx. 0.2 kg/m<sup>2</sup> (6 mm joint width, tile 30/60 cm, 6 mm thick, total joint length 410 cm)</li> </ul>



Quantity per pallet	44	18
Packaging unit	6.67 kg	20 kg
	Combi-container 1× 4.2 kg powder 1× 2.47 kg polymer	Combi-container 3× 4.2 kg powder 3× 2.47 kg polymer
Container code	06	20
<b>Art. no.</b>		
3001	■	■

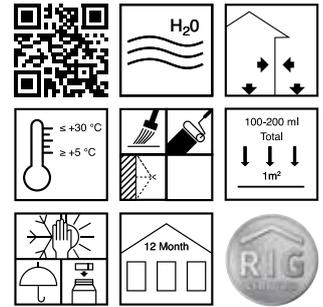
System products	Art. no.
Kiesol MB	(3008)
Clean FL	(0651)
Pigment FL	(2863)
Betofix R4 EM <sup>[basic]</sup>	(1086)
Primer Hydro F	(2842)
Protect MKT 1*	(3024)
Tape VF-series	
*Use biocidal products carefully. Always read the label and product information before use.	

# Kiesol MB

Special primer

Range of use	<ul style="list-style-type: none"> <li>System component for waterproofing of buildings</li> <li>Suitable for absorbent mineral substrates</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>Improves adhesion</li> <li>Repels water</li> <li>Strengthens</li> </ul>
Application rate	<ul style="list-style-type: none"> <li>Approx. 100-200 ml/m<sup>2</sup> depending on the substrate</li> </ul>

Quantity per pallet	288	90	60	24
Packaging unit	1 l	5 l	10 l	30 l
	Plastic canister	Plastic canister	Plastic canister	Plastic canister
Container code	01	05	10	30
<b>Art. no.</b>				
3008	■	■	■	■



System products	Art. no.
MB 2K	(3014)
Remmers PMBCs	
Remmers waterproofing slurries	

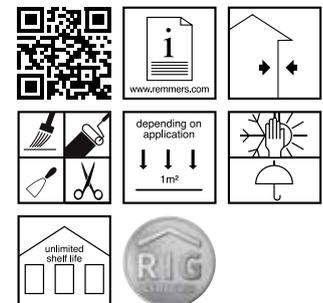
## JOINT TAPES

# Tape VF 120 - Water Stop VF -

High-quality, premium sealing tape based on nitrile rubber and coated with non-woven fabric

Range of use	<ul style="list-style-type: none"> <li>Interior and exterior use</li> <li>Waterproofing in the transition to water impermeable concrete constructions (PG-ÜBB testing principles)</li> <li>Plinth waterproofing</li> <li>Waterproofing in a bond</li> <li>Connection and integration of flexible polymer-modified thick coatings with non-mineral building materials and connection areas such as plastic, metal and wood</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>Highly flexible</li> <li>High expansion capability and elastic recovery</li> <li>Special non-woven fabric coating</li> </ul>
Application rate	<ul style="list-style-type: none"> <li>According to needs</li> </ul>

Quantity per pallet		6000	6000	1250
Packaging unit		10 m	50 m	10 pcs
		Roll	Roll	Carton
Container code	<b>Art. no.</b>	01	02	01
Tape VF 120 / Water Stop VF 120	5071	■	■	
Tape VF 75 EC / Exterior Corner VF	5073			■
Tape VF 100 IC / Interior Corner VF	5074			■
Tape VF 120 VC / Wall Gasket VF 120×120 mm	5077			■



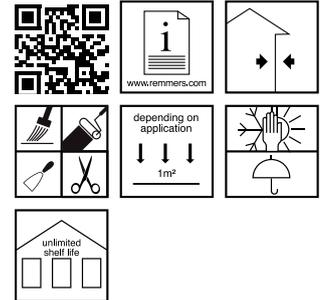
System products	Art. no.
Betofix OS 5b+	(1113)
MB 2K	(3014)
MB TX 2K	(3004)
WP Flex 1K	(0445)
MB FL 2K	(3001)

# Tape VF 250

High-quality, premium sealing tape based on nitrile rubber with double-sided non-woven fabric coating

Range of use	<ul style="list-style-type: none"> <li>Interior and exterior use</li> <li>Plinth waterproofing</li> <li>Connection and integration of flexible polymer-modified thick coatings with non-mineral building materials and connection areas such as plastic, metal and wood</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>Highly flexible</li> <li>High expansion capability and elastic recovery</li> <li>Special non-woven fabric coating</li> </ul>
Application rate	<ul style="list-style-type: none"> <li>According to needs</li> </ul>

<b>Quantity per pallet</b>	<b>1200</b>
Packaging unit	50 m
	Roll
Container code	01
<b>Art. no.</b>	
4805	■



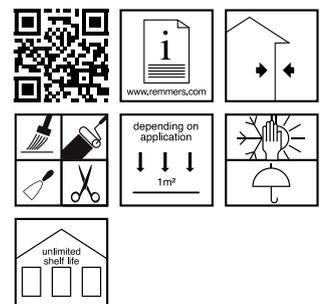
System products	Art. no.
MB 2K	(3014)
MB TX 2K	(3004)
WP Flex 1K	(0445)

# Tape VF 500

High-quality, premium sealing tape based on nitrile rubber and coated with non-woven fabric

Range of use	<ul style="list-style-type: none"> <li>Interior and exterior use</li> <li>Plinth waterproofing</li> <li>Connection and integration of flexible polymer-modified thick coatings with non-mineral building materials and connection areas such as plastic, metal and wood</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>Highly flexible</li> <li>High expansion capability and elastic recovery</li> <li>Special non-woven fabric coating</li> </ul>
Application rate	<ul style="list-style-type: none"> <li>According to needs</li> </ul>

<b>Quantity per pallet</b>	
Packaging unit	10 m
	Roll
Container code	01
<b>Art. no.</b>	
Tape VF 500 / Fugenband VF 500	5075 ■



System products	Art. no.
MB 2K	(3014)
WP Flex 1K	(0445)

ADDITIVES

# Pigment FL

Pigment for tinting MB FL 2K

Range of use	<ul style="list-style-type: none"> <li>▪ Tinting grout made from MB FL 2K</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>▪ Very high pigment content</li> <li>▪ Good flow properties</li> <li>▪ Free from additives containing alkylphenols (APEO)</li> </ul>
Application rate	<ul style="list-style-type: none"> <li>▪ Depending on requirements and desired colour (max. 1.2% of total mass)</li> </ul> <p><b>Colour variants:</b></p> <ul style="list-style-type: none"> <li>▪ Light grey: add 60 ml Pigment FL white per 10 kg MB FL 2K</li> <li>▪ Stone grey: add 20 ml Pigment FL black per 10 kg MB FL 2K</li> <li>▪ Anthracite: add 40 ml Pigment FL black per 10 kg MB FL 2K</li> </ul>
Packaging unit	20 ml Plastic bottle
Container code	01
<b>Art. no.</b>	
black	2863 ■
white	2864 ■



System products	Art. no.
MB FL 2K	(3001)

CLEANER

# Clean FL

Cleaning concentrate for MB FL 2K

Range of use	<ul style="list-style-type: none"> <li>▪ Removing streaks and build-up of MB FL 2K on ceramic coverings</li> <li>▪ Secondary cleaning of tiling that has undergone preliminary cleaning</li> <li>▪ Cleaning tools</li> </ul>
Property profile	<ul style="list-style-type: none"> <li>▪ High-yielding concentrate</li> <li>▪ Also removes stubborn deposits of MB FL 2K</li> </ul>
Application rate	<p>Depending on cleaning requirements:</p> <p>10% solution in water for normal cleaning requirements</p> <p>20% solution in water for heavy cleaning requirements</p> <p>Undiluted for stubborn material deposits</p>
Packaging unit	1 l Plastic bottle
Container code	01
<b>Art. no.</b>	
	0651 ■



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Subject to changes. The current version  
of the applicable Technical Data Sheet is  
relevant for legal matters.

Colour variations are possible.

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