



# WP Flex 1K

Single-component flexible waterproofing slurry



Colour	Availability
	Quantity per pallet 42
	Size / Quantity 15 kg
	Type of container PE bag
	Container code 15
	Art. no.
grey	0445 ■

### Application rate

Approx. 1.3 kg/m<sup>2</sup>/mm

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



### Range of use



- Waterproofing in new buildings
- Subsequent external waterproofing
- Horizontal waterproofing in and underneath walls
- Waterproofing of foundations and base points
- Waterproofing in a bond
- Container sealing up to max. 3 m filling height

### Property profile

- Very low emissions (GEV-EMICODE EC 1<sup>plus</sup>)
- Flexible
- Good adhesion to the substrate
- Can be applied as a grout and a filler
- Water pressure tight according to DIN EN 14891

### Characteristic data of the product



Layer thickness	Max. 2 mm dry per application corresponds to approx. 2.3 mm wet
Slurry applications	At least 2
Waiting time per application	> 4 hours at 20 °C
Water requirement	Approx. 3.8 l/15 kg
Water load (20 °C)	After 3 days
Ready to bear tiles (20 °C)	After 12 hours
Maximum grain size	0.5 mm
Adhesion in composite with ceramic coverings and tiles	≥ 0.5 N/mm <sup>2</sup> with FL Fix

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

**Certificates**

- [Licence for use of EMICODE\\_GEV dated 03/09/2019](#)
- [Test certificate AbP PG AIV-F: P-1202/364/19 MPA BS](#)
- [Test certificate AbP PG-MDS: P-1202/365/19 MPA BS](#)
- [Classification of fire behaviour according to DIN EN 13501-1\\_K-2301/510/19-MPA BS](#)

**Possible system products**

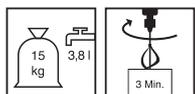
- [Kiesol MB \(3008\)](#)
- [FL fix \(2817\)](#)
- [Tape VF 120 \(5071\)](#)

**Preparation**

- **Substrate requirements**  
Load bearing, clean and dust-free.  
Roughen non-mineral substrates.
- **Substrate preparation**  
Remove projecting seams and mortar remains.  
Break off or slope corners and edges.  
Coves must be rounded out.  
Seal off indentations > 5 mm using a suitable filling knife.  
If necessary, provide damp proofing.  
Roughen the surface of plastic pipes with sandpaper; clean and, if necessary, sand metal pipes.  
Seal passing-through pipes by using the product to form a cove around them.  
Prime absorbent mineral substrates with Kiesol MB.  
Immediately remove the product in excess.

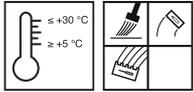
**Production of the mixture**

- **Mixing**  
Pour water into a clean container and add dry mortar.  
Mix thoroughly with a mixer for approx. 3 minutes until homogeneous.





## 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.

### Waiting time per application:

> 4 hours

### Vertical surface waterproofing

Apply the product in two layers on the previously prepared substrate in accordance with the applicable regulations.

### Horizontal surface waterproofing

Apply the product in two layers on the previously prepared substrate in accordance with the applicable regulations.

Apply the second layer once the first can no longer be damaged.

After the waterproofing has dried thoroughly, place two layers of PE sheet over the waterproofing before the screed is laid.

At the edges, the waterproofing layer is applied up to the upper edge of the floor or up to the horizontal barrier.

### Connection details/building element joints

Bridge corner and connection joints with the Tape VF joint tape system.

Apply MB 2K and work in the Tape VF so that it is crease-free.

## Tips on use

In the case of liquid-applied waterproofing materials, direct sunlight and/or wind exposure can cause accelerated skin formation and accompanying blistering.

Mixing by hand and the mixing of partial quantities are not permitted.

Apply waterproofing material to the side facing the water (positive water load).

Rigid preliminary waterproofing is required in the case of moisture penetration from the rear.

Protect the fresh waterproofing layer from rain, direct sunlight, frost and condensation water.

Protect the dry waterproofing material from mechanical damage.

Add a further load-distributing layer if using the product for waterproofing under raised floor supports.

### Laying ceramic tiles

Lay tiles once the waterproofing material can sustain foot traffic without being damaged.

## Application examples

### Layer thicknesses and application rate for use in interior and exterior areas



Water impact classes according to DIN 18533	Minimum layer thickness (mm) (dry)	Application quantity of fresh mortar (kg/m <sup>2</sup> )	Powder application rate (kg/m <sup>2</sup> )	Yield 15 kg (PE sack) (m <sup>2</sup> )
Waterproofing in and under walls	≥ 3.0	approx. 5.2	approx. 3.9	approx. 3.8
Splashing water/foundation waterproofing	≥ 3.0	approx. 5.2	approx. 3.9	approx. 3.8
Ground moisture and non-pressing water	≥ 3.0	approx. 5.2	approx. 3.9	approx. 3.8
Standing seepage water and pressing water	≥ 3.0	approx. 5.2	approx. 3.9	approx. 3.8
Water containers with water depths up to 3 metres	≥ 3.0	approx. 5.2	approx. 3.9	approx. 3.8
Waterproofing in a composite system with tiles and panel coverings (AIV-F) according to DIN 18534	≥ 3.0	approx. 5.2	approx. 3.9	approx. 3.8

## Notes

The mixing water must be of drinking water quality.  
 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.  
 Always set up a trial area/trial areas first.

## Tools / Cleaning

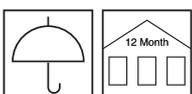
Mixer, wide brush, paintbrush, smoothing trowel, grout broom, filling knife



Clean tools with water while the material is still fresh.

## Storage / Shelf life

In unopened original containers stored cool, dry and protected from frost for 1 year.



## 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 conformity



0761

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**GBI P77-1**

EN 14891: 2012 + AC: 2012

**0445**

Liquid applied water impermeable product on walls and floors, beneath ceramic tiling (bonded with Remmers FL fix C2 adhesives in accordance with EN 12004)

Initial tensile adhesion strength:  $\geq 0.5 \text{ N/mm}^2$

Tensile adhesion strength after water  $\geq 0.5 \text{ N/mm}^2$

contact:

Tensile adhesion strength after heat ageing:  $\geq 0.5 \text{ N/mm}^2$

Tensile adhesion strength after freeze-thaw  $\geq 0.5 \text{ N/mm}^2$

cycles:

Tensile adhesion strength after contact with  $\geq 0.5 \text{ N/mm}^2$

lime water:

Tensile adhesion strength after contact with  $\geq 0.5 \text{ N/mm}^2$

chlorine water:

Waterproofing: no penetration

Crack bridging ability:  $\geq 0.75 \text{ mm}$

Crack bridging ability at low temperatures:  $\geq 0.75 \text{ mm at } -5 \text{ }^\circ\text{C}$

Release of dangerous substances: NPD

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.