



MB PUReactive+

Fibre-reinforced hybrid waterproofing material for flat roofs and balconies



Availability		
Quantity per pallet	32	18
Size / Quantity	10,5 kg	25 kg
Type of container	Combi container (3 x 1.75 kg PC+ 3 x 1.75 kg LC)	Combi container (12.5 kg PC + 12.5 kg LC)
Container code	10	11
Art. no.		
2982	■	■

Application rate

Min. 1.85 kg/m²/mm dry layer thickness

Overall application rate min. 3.7 kg/m²

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



Range of use



- Flat roofs, balconies, walkways
- Areas with or without living space underneath
- New buildings
- Renovations
- Regeneration
- Vertical areas
- Material transitions
- Connections to lead-throughs and rising components
- Wall base and render waterproofing over flat roofs, balconies and walkways

Property profile

- Approved for use in accordance with EAD 0303-50-00-0402 (formerly ETAG 005)
- Very low emissions (GEV-EMICODE EC ^{PLUS})
- For application with no reinforcement inlay
- Fibre-reinforced
- One single material and a small number of work steps
- Flexible crack bridging > 3 mm
- Solvent-free
- No unpleasant odour
- Optimised for manual and spray application
- Perfect adhesion on virtually all substrates without the need for primer
- High area output, very high-yielding
- Fast drying times
- Exceptional price/performance ratio
- As cost-effective as sheet waterproofing

Characteristic data of the product



Resistance to rain	Approx. 90 - 120 min.
Density	Approx. 1.4 kg/dm ³
Crack-bridging	≥ 3 mm (at a dry layer thickness ≥ 2 mm)
Layer thickness	1.1 mm wet layer thickness yields approx. 1 mm dry layer thickness
Pot life	Max. 90 min. (20 °C, 50% RH)
Water vapour diffusion resistance	μ = 2748
Fully dry/foot traffic	After approx. 4 - 5 hrs (20°C, 50% RH)
Reaction to fire	Class B-s1, d0* (DIN EN 13501-1) BROOF Class T1, T3 and T4 (DIN EN 13501-5)
Consistency	Free-flowing

* This classification applies to the following end uses:

The product must be applied directly and without air gap to flat building materials that must comply with class A1 or A2-s1, d0 according to EN 13501-1 and must have a thickness of at least 6 mm and an apparent density of at least 1350 kg/m². Otherwise, the fire behaviour is to be assessed as "Class E".

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

Certificates

- [Sondervereinbarung Flachdachabdichtung](#)
- [GEV-Lizenz Emicode EC 1 Plus](#)
- [Grundierungsempfehlung](#)

Possible system products

- [MB PUReactive P-1 \(4150\)](#)
- [V 103 \(5699\)](#)
- [Selectmix 0/10 \(6750\)](#)

Preparation

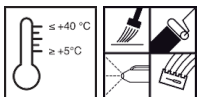
- **Substrate requirements**
The substrate must be clean, dry, flat and capable of bearing a load, and free of dust, oil, grease and release agents. It is acceptable for mineral substrates to be slightly damp.
- **Substrate preparation**
If necessary, a contact layer of MB PUReactive+ can be applied to absorbent substrates at an application rate of approx. 500 g/m².
Fill depressions > 3 mm using a suitable filler or MB PUReactive+ blended with Selectmix 0/10.

Production of the mixture



- **Combi-container**
Stir the liquid component with a suitable mixing tool.
Loosen the powder component and add it in full to the liquid component.
Mix for approx. 60 seconds.
Remove the powder adhering to the side.
Mix again for approx. 2 minutes.

Directions



- **Conditions for use**
Temperature of the material, air and substrate: from min. +5 °C to max. +40 °C.
Low temperatures prolong, high temperatures shorten the working and through-drying times.
Application temperature should be at least 3°C above the dew point.
Stiffened material must not be made workable again.
- **Working time (+20 °C)**
Approx. 90 minutes

Follow-up work and coverings

Surface waterproofing + Detail waterproofing

Apply MB PUReactive+ to the prepared substrate using a suitable tool. Apply a second waterproofing layer of MB PUReactive+ with a suitable tool as soon as the first layer is dry enough to resist damage (overall application rate min. 3.7 kg/m²).

Tips on use

Moving the material (e.g. by stirring) in the mixing bucket can prevent premature skin formation.
The adhesion to the substrate must be tested on a case-by-case basis.
The maximum total wet layer thickness must not exceed 4 mm.
Protect fresh waterproofing from rain, frost and condensation.
Direct sunlight and/or wind can cause accelerated skin formation on liquid-applied waterproofing materials.
The minimum dry layer thickness is 2.0 mm.
Please contact Remmers Technical Service (phone +49 5432 83900) before applying with machine processing.

Notes

The characteristic data of the product were determined under laboratory conditions at 20 °C and 50% relative humidity.



Deviations from applicable regulations must be agreed separately.
Always set up a trial area/trial areas first.

Tools / Cleaning

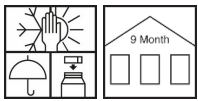


Mixing tool, flat brush, roller, smoothing trowel
Clean tools with water while the material is still fresh.
Any material that has already begun to dry can only be removed mechanically.

Remmers tools

- Collomix Rührer DLX 152 HF (4286)
- HEXAFIX® Nachrüstadapter (4283)
- Rollerbügel (4449)
- Epoxy Roller (5045)
- Heizkörperpinsel (4541)

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 9 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 as "treated goods" a biocidal product (in-can preservative) with the biocidal active agent(s) 2-octyl-2H-isothiazol-3-one to protect the container contents from spoilage due to microbial organisms (bacteria, yeast etc.). Always follow the directions carefully!

Declaration of performance

➤ [Declaration of performance](#)

Declaration of conformity



NB 1119

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GBI-P 112-2

EAD 030350-00-0402

2982

Liquid applied roof waterproofing kits

Reaction to fire EN 13501-1:	class B-s1, d0
External fire performance EN 13501-5:	BROOF (t1, t3, t4)
Water vapour diffusion resistance factor:	$\mu = 2748$
Water tightness:	passed
Release of dangerous substances:	NPD
Root resistance:	NPD
Resistant to wind loads:	≥ 50 kPa for tear-resistant substrates
Slipperiness:	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.