



MB PUReactive TX

Stable 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.		
2980	■	■

Application rate



Approx. 1.5 kg/m²/mm dry layer thickness
Total application rate min. 3 kg/m²

Determine the exact requirement, taking into account roughness depth and application-specific allowances, on a sufficiently large test area.

Dry layer thickness: min. 2.1 mm
Wet layer thickness: min. 2.3 mm

Note the layer thickness allowance in accordance with DIN 18531-3:

DIN 18531 Part 3 stipulates a layer thickness allowance d_z to ensure the minimum dry layer thickness d_{min} . This takes into account both processing-related fluctuations d_v and the additional amount needed for levelling the substrate d_u . If the substrate is levelled separately (e.g. by means of a scratch coat), d_u is not included in the calculation.

d_u = scratch coat or levelling allowance approx. 0.5 kg/m² (depending on the substrate)
 d_v = allowance for processing-related fluctuations approx. 0.4 kg/m²

Range of use



- Roof waterproofing in accordance with EAD 030350-00-0402 (formerly ETAG 005)
- Waterproofing of roofs, balconies, walkways according to DIN 18531
- Connections to lead-throughs and rising components
- New and old buildings

Property profile

- Very low emissions (GEV-EMICODE EC 1)
- Surface waterproofing with reinforcement fabric
- Optimised for manual application on fine details and spray application
- Suitable for application with a trowel, brush, roller or sprayer
- Solvent-free

Characteristic data of the product

Resistance to rain	After approx. 2 hours
Density	Approx. 1.21 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.
Water vapour permeability	2155
Fully dry/foot traffic	After approx. 5 hours
Reaction to fire class	B-s1, d0* (EN 13501-1) BROOF (t1, t3 and t4) (EN 13501-5)
Consistency of the mixture	Free-flowing



* This classification applies to the following applications:

The product must be applied directly and with no air gap on flat building materials that correspond to class A1 or A2-s1, d0 pursuant to EN 13501-1 and must have a thickness of min. 6 mm and a bulk density of min. 1350 kg/m². Otherwise, the fire behaviour is to be rated as "Class E".

Product characteristic data was determined under laboratory conditions (20 °C, 50% RH)

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

Certificates

- > **BBA Agreement Certificate**
- > **GEV licence Emicode EC 1**

Additional information

- > **Primer recommendation**
- > **EPD (Remmers)**
- > **EPD-DBC-20220219-IBF1-EN**

Possible system products

- > **V 103 (5699)**
- > **Selectmix 0/10 (6750)**
- > **MB PUReactive P-1 (4150)**
- > **MB PUReactive F series**

Preparation

■ **Substrate requirements**

The substrate must be level, stable, dry, clean, and free of dust, oil, grease and separating agents, see also the primer recommendation.

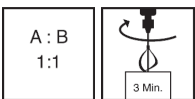
Absorbent mineral substrates may be slightly damp.

■ **Substrate preparation**

If necessary, a contact layer of MB PUReactive TX can be applied to absorbent substrates at an application rate of approx. 500 g/m².

Fill depressions > 3 mm using a suitable filler.

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. 1 minute before suspending the mixing process to allow the air that has been stirred in to escape.

Remove the powder adhering to the side.

Mix again for approx. 2 minutes.

Keep the mixing tool near the bottom of the bucket while mixing.

Directions



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +5 °C to max. +40 °C.

Low temperatures increase, while high temperatures decrease the working and setting time.

Application temperature should be at least 3°C above the dew point.

Stiffened material must not be made workable again.

■ **Processing time (+20 °C/50% RH):**

90 minutes

■ **Follow-up work and coverings**

■ **Surface waterproofing + Detail waterproofing**

Apply MB PUReactive TX to the prepared substrate using a suitable tool. Embed non-woven fabric of the MB PUReactive F-series correctly so that it is free of air pockets, and cover with the product (overall application rate min. 3.0 kg/m²).

Embed MB PUReactive F-series fleece overlapping at least 5 cm.

Recommendation: apply the product in the area of the overlaps between the layers.

Tips on use

The adhesion to the substrate must be tested on a case-by-case basis.

Always set up a trial area/trial areas first.

Direct sunlight and/or wind can cause accelerated skin formation on liquid-applied waterproofing materials.

Moving the material (e.g. by stirring) in the mixing bucket can prevent premature skin formation.

The contact layer (scratch coat) is not deemed to be a waterproofing layer.

The maximum total wet layer thickness must not exceed 4 mm.

The minimum dry layer thickness is 2.1 mm.

The dry layer thickness of the waterproofing layer must not fall below the minimum value at any point. To

ensure that the minimum dry layer thickness is achieved, the product must be applied in a quantity that takes

into account the layer thickness allowances (DIN 18531) so that processing tolerances, unevenness and

roughness of the substrate are evened out. The quantity applied per square metre must be documented.

Protect fresh waterproofing from rain, frost and condensation.

Please contact Remmers Technical Service (phone +49 5432 83900) before applying with machine

processing.



Notes

Seams, joints, connections and terminations as well as penetrations of existing waterproofing membranes must be designed to be resistant to backflow and sufficiently diffusion-tight. If required, a structural functional layer (vapour barrier) must be planned and implemented.

In the case of damp roof constructions, drying measures must be taken into account before applying the waterproofing and any existing structural defects must be inspected and rectified.

When waterproofing an inverted roof or a warm roof, suitable measures must be used to prevent the diffusion flow from inside to outside.

For the waterproofing of inverted and green roofs, please consult RTS Professional Planning (phone 05432 83434 + RTS-Fachplanung@remmers.de).

Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.

Certificates of suitability (EAD) must be observed during planning and execution.

Special agreements and certificates of suitability can be downloaded online at www.remmers.com.

Tools / Cleaning

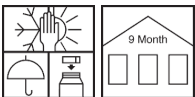


Mixing tool, flat brush, roller, smoothing trowel
 Clean tools with water while the material is still fresh.
 Any material that has already begun to dry can only be removed mechanically.

Remmers tools

- > **Collomix Rührer DLX 152 HF (4286)**
- > **Collomix® HEXAFIX® Nachrüstadapter (4283)**
- > **Rollerbügel (4449)**
- > **Pro nylon 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 and reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) 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

Remmers GmbH

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GBI-P 111-6

EAD 030350-00-0402

2980

Liquid applied roof waterproofing kits

Reaction to fire class (EN 13501-1):	B-s1, d0
External fire performance (EN 13501-5):	BROOF(t1, t3, t4)
Water vapour permeability (μ):	2155
Water tightness:	passed
Release of dangerous substances:	NPD
Root resistance:	NPD
Resistance 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.