

MB PUReactive - systems for flat roofs

Get more done



Innovation meets tradition

What is PU hybrid waterproofing?

MB PUReactive is a patented PU hybrid waterproofing, but what does that actually mean?

The technology in MB PUReactive is based on a liquid component and a powder component that create a synergy when mixed together. Thanks to the straightforward 1 : 1 mixing ratio, mixing errors can be ruled out. The material has a long pot life of around 90 minutes once it has been mixed, but it reacts extremely rapidly once applied. This means that the waterproofing is rainproof after just 90 to 120 minutes.

In most cases, there is no need for a primer, or else a contact layer can be made of the material itself.

Incomparable technical performance

- Excellent application properties
- Open working time: 1.5 hours
- Rainproof after 90 – 120 minutes
- Tested temperature range: -30 °C to +90 °C

- Crack-bridging > 3 mm
- Fast drying times (4 – 5 hours)
- ETAG 005 in the highest performance classes

Very cost-effective

- Unique price/performance ratio
- Economical application rate
- One material, few application steps
- High surface area output

Sustainable and modern

- Durable and long-lasting
- Odour neutral and solvent-free



MB PUReactive

MB PUReactive is optimised for manual application thanks to its flow properties. It can be applied quickly and easily with a roller. The fabrics of the MB PUReactive F-series are designed for easy embedding and absorb movements of the building construction without any damage.

Range of use:

- Flat roofs, balconies, loggias, walkways
- Surfaces with and without living space underneath
- New buildings
- Renovation
- Material transitions

Property profile:

- Approved according to EAD 0303-50-00-0402 (formerly ETAG 005)
- Flexible crack-bridging > 3 mm
- Solvent-free
- No unpleasant odour
- Optimised for manual application
- Perfect adhesion on virtually any substrate without the need for primer
- High surface area output, very high yielding
- Fast drying times (4 – 5 hours)
- Unique price/performance ratio

MB PUReactive TX

MB PUReactive TX features optimisations on two fronts. First, due to its thixotropic properties it is ideal for fabric-reinforced solutions on complex surface geometries, where it can be applied effortlessly to feed-throughs and rising components. This includes full-length windows over flat roofs, balconies, loggias and walkways, as well as plinths and render waterproofing. MB PUReactive TX is also the perfect solution for spray-on surface waterproofing thanks to its exceptionally low aerosol development. This means that, as a rule, no additional protective measures to prevent contamination of the surrounding area are needed on the flat roof.

Range of use:

- Flat roofs, balconies, loggias, walkways
- Surfaces with and without living space underneath
- New buildings
- Renovation
- Vertical areas
- Material transitions
- Connections to feed-throughs and rising components
- Waterproofing of full-length windows over flat roofs, balconies, loggias and walkways
- Plinth and render waterproofing over flat roofs, balconies, loggias, walkways

Property profile:

- Approved according to EAD 0303-50-00-0402 (formerly ETAG 005)
- Flexible crack-bridging > 3 mm
- Solvent-free
- No unpleasant odour
- Stable
- Optimised for manual and spray application
- Perfect adhesion on virtually any substrate without the need for primer
- High surface area output, very high yielding
- Fast drying times (4 – 5 hours)
- Unique price/performance ratio



MB PUReactive+

MB PUReactive+ is the quick and cost-effective solution for new buildings and when renovating flat roofs. The product is reinforced with fibres, which ensure that tensile forces, such as those generated across cracks, can be absorbed by the product without damage. This means that there is no need to embed an additional fabric material.

This exceptional capability is demonstrated in the approval according to EAD 0303-50-00-0402 (formerly ETAG 005) in the highest performance classes. Since application without embedded fabric is still not covered by German regulations, a special agreement with the developer is needed. This is not necessary for the renovation of flat roofs.

Whether over large surfaces or in areas with fine details, MB PUReactive+ can be applied with ease and is optimised for spraying.

Range of use:

- Flat roofs, balconies, loggias, walkways
- Surfaces with and without living space underneath
- New buildings
- Renovation
- Regeneration
- Vertical areas
- Material transitions
- Connections to feed-throughs and rising components
- Plinth and render waterproofing over flat roofs, balconies, loggias, walkways

Property profile:

- Approved according to EAD 0303-50-00-0402 (formerly ETAG 005)
- Can be used without reinforcement fabric
- Fibre-reinforced
- One material, few application steps
- Flexible crack-bridging > 3 mm
- Solvent-free
- No unpleasant odour
- Optimised for spraying
- Perfect adhesion on virtually any substrate without the need for primer
- High surface area output, very high yielding
- Fast drying times (4 – 5 hours)
- Unique price/performance ratio
- As cost-effective as sheet waterproofing



As PU hybrids, the MB PUReactive systems combine the best of multiple worlds to create roof waterproofing solutions with exceptional capabilities. MB PUReactive systems are just as cost-effective as sheet waterproofing, but can also be used effortlessly around joints and material transitions thanks to their excellent adhesion and flexibility. And what's more, they satisfy the highest performance classes of ETAG 005.



