

KEMPERTEC EP5 primer



Uses

- As alkaline protection layer
- For new buildings and repair work
- As a primer of the prepared substrate for KEMPEROL waterproofing
- As bonding agent for trowel-applied filler and repair mortar
- For the preparation of a bonding bridges for KEMCO Decor Stone / Natural Stones combined with the KEMCO NQ 0408 Natural Quartz
- As a primer for the KEMPERTEC MA-SF Metal Adhesive

Characteristics

- Solvent-free
- Good adhesion
- Usable at temperatures higher than + 5 °C
- Fast hardening
- Environmentally declared according to valid international standards
- EMICODE EC1 PLUS
- 2-component
- Resin base: Epoxy resin
- Radon-resistant (in combination with KEMPEROL 2K-PUR waterproofing)

Pack sizes

- 3 * 1.0 kg sachet in plastic container (transparent)
- 3 * 1.0 kg sachet in plastic container (blue-transparent)
- 10 kg in metal container (blue-transparent)

Shelf Life

Can be stored cool, frost-free, dry and unopened. Best before: see container label.

Usage guide

Depending on the nature and condition of the substrate:

As priming: at least 0.5 kg/m²

As bonding bridge: at least 0.3 kg/m²

As alkali protection: at least 0.4 kg/m²

Properties

Form	Liquid
Standard colour	Comp. A Blue-transparent Comp. B Yellowish
Workability time *	approx. 20 min
Rainproof after *	approx. 3 h
Can be walked on after *	approx. 6 h
Further coating after*	approx. 4 h (in connection areas)

* Values obtained at a temperature of 23 °C - 50% rel. humidity. These values vary depending on the weather conditions, such as wind, humidity and temperature.

CE marking

Component to	ETA 03/0025 ETA 03/0026 ETA 03/0043 ETA 03/0044
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Application

Preparing the substrate

Substrates must be dry (residual moisture in concrete in the upper 2 cm < 5%), capable of withstanding loads and free from materials that may hinder adhesion, and must be appropriately prepared.

(refer to Technical Information TI 21 - Substrate Assessment)

The priming recommendations should be followed.

Apply only when substrate and ambient temperatures exceed 5 °C and are declining.

Do not apply during rising temperatures.

When executed, the surface temperature must be 3 K above the dew point. If the dew point is undershot, a moisture film, which has a separating effect, can form on the surface to be processed (see Technical Information TI 16).

Sachet

Remove the sachet from the aluminium packaging. Knead component A thoroughly. Open the centre seam which divides the two components and mix components A and B.

Now knead the kneading bag again quickly (about 1 minute) to obtain a homogeneous, streak-free Primer. To prevent mixing errors, the mixture should be placed in another container and re-mixed.

Metal container

KEMPERTEC EP5 primer component B must be mixed into component A using a slow-running mixing device until you achieve a homogeneous and streak-free mixture.

Mixing time approx. 2 min; use within 15 min.

To prevent mixing errors, the mixture should be placed in another container and re-mixed. Prime in at least one work step ensuring that all pores are closed off (a second work step might be necessary). Use a nylon roller for spreading and prevent material build-up.

Use as a primer and bonding coat

Apply Primer until all the pores are closed off and scatter the surface directly with KEMCO NQ 0408 Natural Quartz over the entire layer leaving no gaps (consumption approx. 2 kg/m²).

After approx. 4 hours (depending on weather conditions, such as wind, ambient temperature and humidity) and provided that the primed surface is tack-free and dry, further suitable KEMPER SYSTEM products can be applied.

When used as a bonding coat when subsequently coated with KEMCO Decor Stone / Natural Stones

Apply Primer until all the pores are closed off and scatter the surface directly with KEMCO NQ 0408 Natural Quartz (consumption approx. 300 g/m²).

After approx. 16 h – when the primed surface is dry and tack-free – KEMCO Decor Stone / Natural Stones can be applied.

Use as a filling compound

Before applying the filling compound, apply KEMPERTEC EP5 primer.

To compensate any irregularities in the horizontal between 2 and 6 mm, the KEMPERTEC EP5 primer is mixed with KEMPERTEC KR Quartz Sand Mixture in a ratio of approx. 1: 2 and applied to the prepared and primed substrate.

Use as a repair mortar

Before applying repair mortar, apply KEMPERTEC EP5 primer.

To compensate any unevenness, shrinkage holes and small eruptions up to 20 mm depth, the KEMPERTEC EP5 primer is mixed with the KEMPERTEC KR Quartz Sand Mixture in a ratio of approx. 1: 5.

This ratio may be varied depending on the particular application and the ambient conditions.

Use as alkali protection layer

To protect KEMPEROL waterproofing systems against alkaline media (Technical Information TI 15 - Alkalinity) apply a coat of KEMPERTEC EP5 primer (consumption min. 0.4 kg/m²).

The still fresh coat must be spread with KEMCO NQ 0712 Natural Quartz a full covering layer (consumption at least 1.5 kg/m²).

The KEMPERTEC EP5 primer may lie without sealing for a maximum of 4 weeks if it has been sanded grain by grain to cover. If the material is left to stand for > 4 weeks, it must be primed again.

PPE

Personal protective equipment should be worn. We recommend a hand protection and skin protection plan adapted to the workplace. Clean the tools immediately after use with KEMCO MEK Cleaning Agent.

Note

Please consider the following technical information:

- TI 15 - alkalinity
- TI 21 - substrate preparation
- TI 30 - Application of KEMPEROL on vertical surfaces

Important notes

The safety data sheets, the labeling of the containers, the hazard warnings and the safety instructions on the containers must be observed during transport, storage and processing. The BG-Chemie data sheets must be observed during processing.

Do not allow to enter waters, drains or to penetrate the ground.

Not suitable for use in swimming pools!

Multi-component polyurethane, polyester, epoxy and methyl methacrylate resins react under heat development. After mixing the components, the product must not remain in the mixing container for longer than the workability time. Non observance may cause heat and smoke development and may, in extreme cases, even result in a fire.

Disposal

Dispose of in accordance with the official regulations. Further information on disposal can be found in the respective safety data sheets, Section 13.

GISCODE

RE30

General information

The times given above are reduced with higher and increased with lower ambient and substrate temperatures.

No substances of other systems may be mixed into the products of the KEMPER SYSTEM.

Only for commercial use.

Our technical data sheets / technical information and our technical application advice only reflect the current state of knowledge in our company and our experience with our products. With each new edition, the previous technical information loses its validity. It is therefore essential that you always have the latest data sheet to hand. The latest version can be downloaded from kemperol.de under Media > Downloads. When applying and using our products, a detailed, object-related, qualified check is required in each individual case to determine whether the respective product and/or the application technology meets the specific requirements and purposes. We are only liable for the freedom from defects of our products, but only if our respective product has been used and processed in accordance with our processing guidelines in the technical data sheets. The proper and professional processing of our products is therefore the sole responsibility and liability of the user (processor). Our products are sold exclusively on the basis of our terms and conditions of sale and delivery.

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