

KEMPERTEC EP5 primer



Uses

- As alkaline protection layer
- For new buildings and repair work
- As a primer of the prepared substrate for KEMPER-OL 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

Features

- Solvent-free
- Excellent adhesion
- Can be used at temperatures above +5 °C
- Fast curing
- Environmental Declaration in accordance with valid international standards
- 2-component
- Resin base: Epoxy resin
- Resistant to radon (in combination with KEMPER-OL 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 junction 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 1	ETA 03/0025 ETA 03/0026 ETA 03/0043 ETA 03/0044
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Application

Preparing the substrate

The substrate must be dry (in concrete, the residual moisture in the upper 2 cm must be < 5 %), sound and free from any material that would hinder adhesion.

(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.

Knead the sachet rapidly (approx. 1 min.) until you have a homogeneous and streak-free Primer mixture. 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 KEMPERTEC EP5 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 KEMPERTEC EP5 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).

Scatter KEMCO NQ 0712 Natural Quartz over the entire, still wet layer leaving no gaps (consumption min. 0.5 kg/m²).

The product KEMPERTEC EP Primer may be left for 4 weeks without waterproofing when it has been scattered with sand in a grain-to-grain contact. In case of an interruption of more than 4 weeks the surface 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, identification of the containers, hazard statements and the safety recommendations on the containers must be observed during transportation, storage and application. The BG-Chemie technical data sheets must be observed during application.

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

Comp. A+B	Liquid	EAK 08 04 09
Comp. A+B	cured	EAK 08 04 10

GISCODE

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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 application instructions reflect the current level of knowledge in our company and the experience with our products. In each case, the new edition supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practise. The latest version can be retrieved from the KEMPER SYSTEM Login section. When using our products, a detailed, object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults, and this only if our relevant product has been used and applied according to the instructions in our technical data sheets. Correct application of our products therefore falls entirely within the scope of liability and responsibility of the user (contractor). Our products are sold exclusively on the bases of our conditions of sale and delivery.

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