

KEMPERTEC EP5 primer



Uses

- As alkaline protection layer
- For new construction and remedial projects
- 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

Features

- Solvent-free
- Excellent adhesion
- Workable of temperatures of up to +5 °C
- Fast curing
- Environmental Declaration in accordance with valid international standards
- 2-component
- Based on: Epoxy resin

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

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.

(Prepare the substrate according to Technical Information TI 21 - Substrate Preparation.)

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. Apply the primer evenly with a perlon roller, ensuring complete substrate coverage and avoiding accumulation of material.

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 waterproofings against alkaline media (Technical Information TI 15 - Alkalinity) apply a coat of KEMPERTEC EP5 primer (consumption approx. 0.4 - 0.6 kg/m²).

Scatter KEMCO NQ 0712 Natural Quartz over the entire, still wet layer leaving no gaps (consumption approx. 0.5 – 1 kg/m²).

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. 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 notice

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. During processing, the Information sheets of the BG-Chemie (Liability Insurance Association of the Chemical Industry) must be observed.

Do not allow into the sewer system or into the ground. Cannot be used 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

RE1

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.

Issued: Vellmar, 2019-12-11