

KEMPERTEC AC M-Primer



Uses

- As a primer and for a force-fit, permanent bond between substrate and
 - KEMPEROL AC Speed and KEMPEROL AC Speed+ Waterproofing
 - KEMPERDUR AC Park and KEMPERDUR AC Park+
- For new buildings and repair work

Characteristics

- Fast hardening
- Solvent-free
- Good adhesion
- 2-component
- Processable down to -5 °C ambient temperature
- For polymer-modified screeds and mortars (PCC)
- For mineral substrates
- For waterproof concrete
- Resin base: PMMA

Pack sizes

1 kg, 5 kg and 20 kg containers (component A) in combination with KEMPEROL CP catalyst powder (component B), quantity added - see Table

Shelf Life

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

Consumption

Depending on the absorbency of the substrate:

As priming: at least 0.5 kg/m²

The consumption must not exceed 0.75 kg/m², otherwise it may cause chipping and spalling.

Properties

Form	Comp. A liquid
	Comp. B powder
Standard colour	Transparent
Workability time * (2% KEMPEROL CP catalyst powder)	approx. 10 min
Rainproof after *	approx. 30 min
Can be walked on after *	approx. 30 min
Further coating after*	approx. 30 min

* 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.

Curing

Hardening takes place with KEMPEROL CP catalyst powder. The quantity added depends on the temperature.

Temperature [°C]	KEMP. CP cat. powder - quantity [20 g bag] for 1 kg	KEMP. CP cat. powder - quantity [100 g bag] for 5 kg	KEMP. CP cat. powder - quantity [100 g bag] for 20 kg	Pot life in container [min]	Surface cured [min]
-5 °C	2 bags	2 bags	8 bags	40 min	60 min
0 °C	2 bags	2 bags	8 bags	30 min	50 min
+5 °C	2 bags	2 bags	8 bags	20 min	45 min
+10 °C	2 bags	2 bags	8 bags	18 min	30 min
+20 °C	1 bag	1 bag	4 bags	15 min	30 min
+30 °C	1/2 bag	1/2 bag	2 bags	10 min	15 min

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)

Please refer to the Technical Information TI 33 – Working at temperatures below +5°C.

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).

KEMPERTEC AC M-Primer may only with KEMPEROL CP catalyst powder may be used. The quantity of the catalyst powder must be adapted to the respective material temperature (see Table Hardening

Use as a primer

The KEMPERTEC AC M-Primer must be poured on to the surface immediately after mixing with KEMPEROL CP catalyst powder and distributed evenly. Prime the surface in just one application using a nylon roller, ensuring all pores are closed off. Use a nylon roller for spreading and prevent material build-up. The next stage can be started after approx. 30 minutes when the primer surface is no longer tacky.

Work interruption and further coating

Operations must be completed within the next 8 days, otherwise separation effects may occur. To avoid this separation effect, it is recommended to sand the still fresh KEMPERTEC AC M-Primer with KEMCO NQ 0408 Natural Quartz (approx. 2 kg/m²). Otherwise adhesion of subsequent coats cannot be guaranteed and repriming will be necessary.

PPE

Sufficient ventilation is required. The corresponding instructions should be followed. Always wear personal protective equipment (breathing equipment with filter A/P2, protective gloves, safety goggles). 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 21 - substrate preparation
- TI 22 - Application of KEMPEROL/KEMPERDUR AC products
- TI 33 - Processing of / AC Speed+ Sealing at temperatures below +5°C

Important notes

Flammable vapour/air mixtures may form in areas with inadequate ventilation.

When applying KEMPERTEC AC M-Primer explosion protection for working equipment is necessary.

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.

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

RMA15

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.

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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