

KEMPERDUR AC coating



Uses

- As a coating in combination with the KEMPERDUR AC filler and KEMPERDUR AC (Comp. A) on KEMPEROL AC Speed
- For new buildings and repair work

Characteristics

- Fast hardening
- UV-resistant
- Solvent-free
- Environmentally declared according to valid international standards (EPD)
- 3-component
- High wear protection
- Resin base: PMMA
- Alkali-resistant

Pack sizes

10 kg container (component A) in combination with KEMPEROL CP catalyst powder (component B; refer to the Curing Table for recommended quantities) and 23 kg bag KEMPERDUR AC filler.

Shelf Life

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

Usage guide

Depending on the nature of the substrate, in conjunction with KEMPERDUR AC filler: at least 4,0 kg/m².

Properties

Form	Comp. A liquid (light gray) Comp. B powder Comp. C granular (sandy)
Colour	Grey
Workability time * (2% KEMPEROL CP catalyst powder)	approx. 20 min
Rainproof after*	approx. 35 min
Can be walked on after*	approx. 35 min
Cured after*	approx. 35 min
Further coating after *	approx. 60 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.

Table for 10 kg KEMPERDUR AC coating			
Temperature [°C]	KEMP. CP cat. powder - quantity [g]	Pot life in container [min]	Rainproof / surface cured [min]
+5°C	400	35 min	70 min
+10°C	400	30 min	60 min
+20°C	200	20 min	35 min
+30°C	100	20 min	30 min

Application

Preparing the substrate

The substrate must be dry, sound and free from any material that would hinder adhesion.

Coating requirement

In case of temperatures between +10 ° C and +30 ° C, acclimatize the material for 24h before use.

During application, the surface temperature must be 3K above the dew point.

If the temperature falls below the dew point during application, moisture which can negatively affect adhesion may form on the surface (DIN 4108 - 5 Tab.1).

At temperatures above +25°C, protect the material against direct sunlight.

KEMPERDUR AC (comp. A) must only be used in combination with KEMPEROL CP catalyst powder. The quantity of catalytic powder depends on the respective material temperature (refer to the Curing table).

KEMPEROL CP catalyst powder component B to be mixed thoroughly into KEMPERDUR AC coating component A.

In case of surfaces with a slope higher than 3%, in the KEMPERDUR AC coating KEMCO TX Thixotropic Additive are stirred in. The exact mixing ratio can be found in the technical data sheet for KEMCO TX Thixotropic Additive can be found.

To prevent mixing errors, the mixture should be placed in another container and re-mixed.

Application

The surfacing consists of KEMPERDUR AC coating, the product KEMPEROL CP catalyst powder and the product KEMPERDUR AC filler. Please refer to the instructions for use for further information. Use a spiked roller to remove any air bubbles from the still wet KEMPERDUR AC coating directly after it has been applied. Once the surface of the coating is tack-free, after approx. 60 minutes KEMPERDUR AC-Finish is applied.

The mixture is applied with a notched trowel with a thickness of approx. 8 mm over the entire prepared substrate. Alternatively, use a screed rake (V notch, notch height 6.6 mm) to spread the mixture over the entire surface. After application, use a spiked roller to remove any air bubbles from the still wet coating.

Depending on the version, the still wet KEMPERDUR AC coating is scattered liberally with KEMCO NQ 0408 Natural Quartz or KEMPERDUR CQ 0408 Colorquarz (approx. 4 kg/m²). Sweep off any excess after curing and apply KEMPERDUR AC-Finish for a coloured or transparent seal coating.

PMMA surfaces must be cleaned with KEMCO MEK Cleaning Agent if left open for more than 3 days.

PPE

For application in enclosed areas ensure there is sufficient ventilation. 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 22 - Application of KEMPEROL/KEMPERDUR AC products

Important notes

When applying KEMPERDUR AC coating 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.

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.

Floor finishes are subjected to mechanical stress and should therefore be inspected / maintained on a regular basis. Refinishing may be required depending on the level of wear.

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

RMA10

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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