

KEMPERDUR AC coating



Uses

- As coating in connection with the KEMPERDUR AC filler on KEMPEROL AC Speed
- For new buildings and repair work

Features

- Rapid-curing
- UV-resistant
- Solvent-free
- 3-component
- Wear-resistant
- Based on: MMA
- Alkali resistant

Pack sizes

10 kg container (Component A) in connection with KEMPEROL CP catalyst powder (Component B). Quantity to be added see table Curing. 23 kg bag KEMPERDUR AC filler.

Shelf Life

Can be stored unopened in a cool, dry, frost-free place. Use by: see label on pack.

Usage guide

Depending on the nature of the surface in connection with the KEMPERDUR AC filler: approx. 5,2 kg/m².

Properties

| | |
|------|----------------|
| Form | Comp. A liquid |
|------|----------------|

| | |
|---|----------------|
| Colour | Beige |
| Workability time * | approx. 20 min |
| (2% KEMPEROL CP catalytic converter powder) | |
| Rainproof after* | approx. 35 min |
| Can be walked on after* | approx. 35 min |
| Cured after* | approx. / |
| 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

The curing is done with KEMPEROL CP catalytic converter powder. The recommended quantity depends on the temperature.

| Table for 10 kg KEMPERDUR® AC Coating | | | | |
|--|-------------------------------------|-------------------------------------|-----------------------------|---------------------------------|
| Temperature [°C] | KEMP. CP cat. powder - quantity [g] | KEMP. CP cat. powder - quantity [%] | Pot life in container [min] | Rainproof / surface cured [min] |
| +5°C | 400 | 4 | 35 min | 70 min |
| +10°C | 400 | 4 | 30 min | 60 min |
| +20°C | 200 | 2 | 20 min | 35 min |
| +30°C | 100 | 1 | 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

Allow the material to stabilise to a consistent temperature at an ambient temperature of +10 to +30°C prior to 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 Coating may only be used with KEMPEROL CP catalyst powder. The amount of catalyst powder must be adjusted to the respective material temperature (see table Curing).

You can mix KEMPERDUR® AC Coating KEMCO TX Suspending Agent for surfaces with an inclination of more than 3 %. For the exact mixing ratio, please refer to the technical data sheet for KEMCO TX Suspending Agent .

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 catalytic converter powder and the product KEMPERDUR AC filler. Please refer to the application instructions for further information. Once the waterproofing surface is tack-free, after approx. 60 minutes, KEMPERDUR AC-Finish is applied.

PPE

For application in enclosed areas ensure there is sufficient ventilation. Personal protective equipment should be worn. Clean the tools with KEMCO MEK Cleaning Agent immediately after use. Clean your hands.

Note

Please consider the following technical information:

- TI 22 – Application of KEMPEROL/KEMPERDUR AC products

Important notice

When using KEMPERDUR® AC Coating explosion protection is required for working equipment.

The safety data sheets, the labelling of the containers, the hazard warnings and the safety recommendations on the containers shall be observed for transport, storage and application. The data sheets published by the Professional Association of the German Chemical Industry shall be observed for the application.

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

| | |
|--------|--------------|
| liquid | EAK 08 04 09 |
| cured | EAK 08 04 10 |

GISCODE

RMA10

General information

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

KEMPER SYSTEM products must not be mixed with other manufacturers' products.

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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