

KEMPEROL AC Speed⁺ Sealing



Uses

- As seal in conjunction with KEMPEROL 165 fleece for making connections
- Suitable for outdoor applications
- For new construction and remedial projects
- Can be applied to practically any substrate

Features

- Rapid-curing
- Cold applied
- Water vapour permeable
- Crack bridging
- Root resistant according to FLL-testing
- Can be walked on for maintenance
- Solvent-free
- UV resistant
- 2-component
- Light-stable
- Workable of ambient temperatures of up to -5 °C
- CE-Kennzeichnung
- Based on: PMMA
- Alkali resistant

Usage guide

depending on the nature of the substrate: at least 2,5 kg/m² depending on the layer thickness (see Technical Information TI 03 - Layer thicknesses according to regulations).

Pack sizes

10 kg container (Component A) in connection with KEMPEROL CP catalyst powder (Component B) quantity to be added see table Curing.

Shelf Life

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

Properties

| | |
|-----------------------------------|---------------------------------|
| Form | Comp. A liquid |
| | Comp. B powder |
| Standard colour | Traffic grey |
| | Anthracite |
| Workability time* | approx. 15 min |
| Rainproof after* | approx. 35 min |
| Can be walked on after* | approx. 35 min |
| Cured after* | approx. see the Hardening table |
| Further coating after* | approx. 60 min |
| Short term temperature resistance | re- 250 °C |

* 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.

Test results according to ETAG 005

| | |
|-------------------------------------|--|
| Water vapour diffusion factor μ | ~ 6600 |
| Resistance to wind loads | 1,6 N/mm ² |
| External fire performance | B _{ROOF} (t ₁) ** |
| Reaction to fire | E *** |
| Statement to dangerous substances | does not contain any |
| Working life | W3 |
| Climatic zones | M and S |
| Imposed loads | P1 to P4 |
| Roof slope | S1 to S4 |
| Lowest surface temperature | TL4 |
| Highest surface temperature | TH4 |

** Classification in accordance with EN 13501-5

*** Classification in accordance with EN 13501-1.

Curing

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

**Table for 10 kg
KEMPEROL AC Speed Sealing**

| Temperature [°C] | KEMP. CP cat. powder - quantity [g] | Pot life in container [min] | Rainproof / surface cured [min] |
|------------------|-------------------------------------|-----------------------------|---------------------------------|
| -5°C | 400 | 60 min | 90 min |
| 0°C | 400 | 45 min | 80 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 (in concrete, the residual moisture in the upper 2 cm must be < 5 %), sound and free from any material that would hinder adhesion.

A primer is not required for all substrates. In general, the priming recommendation for KEMPEROL AC Speed should be considered.

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).

Preparation

If the ambient temperature is 10°C or lower, it is recommended that you store and mix the components at room temperature.

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

Mixing

KEMPEROL AC Speed Sealing 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

Application

The KEMPEROL AC Speed Sealing is off with the KEMPEROL CP catalyst powder displaced KEMPEROL AC Speed Sealing and KEMPEROL 165 fleece prepared.

Connections to door and window elements etc. with a height of <15 cm (from upper edge of coating) should have at least 5 cm of overlap. Connections and joints to third party products have to be produced with an overlap of at least 10 cm.

Before the next coat of KEMPERDUR MT mineral tile adhesive can be applied a bonding coat is necessary.

Interruptions of more than 1 days: Clean the working area 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 KEMPEROL AC Speed / AC Speed+ sealings at temperatures below +5°C

Important notice

When using KEMPEROL AC Speed Sealing explosion protection is required for working equipment.

The applicable "rules of application" in its current version as well as the "standard rules of technology" and the state of the art for the respective task apply during waterproofing production. For chemical resistance, see the Chemical Resistance List A-Z.

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.

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

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

GISCODE

RMA10

General information

Changes to the colour caused by weather conditions or UV rays do not influence the technical parameters. 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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