

KEMPEROL AC Speed



Uses

- For the waterproofing of surfaces, for connections and details in combination with KEMPEROL Fleece
- Suitable for outdoor applications
- For new buildings and repair work
- Can be applied to practically any substrate
- For OS10 systems

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
- Environmental Declaration in accordance with valid international standards
- 2-component
- Light-stable
- Workable of ambient temperatures of up to -5 °C
- CE marking
- Resin base: PMMA
- Alkali resistant
- Resistant to resistant

Pack sizes

15 kg container (component A) in conjunction with KEMPEROL CP catalyst powder (component B) Quantity added -see Table Hardening

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

Properties

Form	Comp. A liquid Comp. B powder
Standard colour	Traffic 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. see curing 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.

** with KEMPERDUR Surfacing, see corresponding Technical Data Sheet.

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} (t1) **
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 15 kg
KEMPEROL AC Speed Waterproofing**

Temperature [°C]	KEMPEROL CP cat. powder - quantity [g]	Pot life in container [min]	Rainproof / surface cured [min]
-5°C	600	60 min	90 min
0°C	600	45 min	80 min
+5°C	600	35 min	70 min
+10°C	600	30 min	60 min
+20°C	300	20 min	35 min
+30°C	150	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.

On some substrates, no priming of the full surface is necessary. Generally, the priming recommendations for KEMPEROL AC Speed Waterproofing have to be observed.

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 Waterproofing 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 KEMPEROL CP catalyst powder component B to be mixed thoroughly into KEMPEROL AC Speed Waterproofing component A.

Use

The Waterproofing is produced by mixing KEMPEROL CP catalyst powder and KEMPEROL AC Speed Waterproofing and KEMPEROL 165 fleece. Please refer to the instructions for use for further information.

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.

Avoid applying the material beyond the area covered by the fleece.

Interruption and further processing

Once the waterproofing surface is tack-free, after approx. 60 minutes, KEMPERDUR AC coating, KEMPERDUR AC Park, KEMPERDUR AC Park+ or KEMPERDUR AC-Finish can be applied to the surface.

When applying KEMPERDUR MT mineral tile adhesive a bonding coat is necessary.

Interruptions of more than 1 day: 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 – Application of KEMPEROL AC Speed / AC Speed+ waterproofings at temperatures below +5°C
- TI 34 - Correct masking of the surface to be treated with KEMPEROL

Important notes

When applying KEMPEROL AC Speed Waterproofing explosion protection for working equipment is necessary.

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, identification of the containers, hazard statements and the safety recommendations on the containers must be observed during transportation, storage and application. The BG-Chemie technical data sheets must be observed during 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.

Disposal

Liquid	EAK 08 04 09
cured	EAK 17 02 03

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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