

## KEMPEROL AC Speed



### Uses

- As surface sealing, for the establishment of connections and structural details in connection with KEMPEROL Fleece
- 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
- Environmental Declaration in accordance with valid international standards
- 2-component
- Light-stable
- Workable of ambient temperatures of up to -5 °C
- CE-Kennzeichnung
- Based on: MMA
- Alkali resistant

### Pack sizes

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

### Usage guide

Depending on the nature and condition of the substrate: 2,5 kg/m<sup>2</sup> depending on layer thickness (refer to Technical Information TI 03 layer thicknesses according to guidelines).

### Properties

Form	Comp. A liquid Comp. B powder
Standard colour	Traffic grey
Workability time* (2% KEMPEROL CP catalytic converter 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	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 $\mu$	~ 6600
Resistance to wind loads	1,6 N/mm <sup>2</sup>
External fire performance	B <sub>ROOF(t1)</sub> **
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  
2006: DIN 4102-7 - resistance to spreading fire and radiant heat.

\*\*\* Classification in accordance with EN 13501-1.  
2006: DIN 4102-1. Classification is done in class B2.

## Curing

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

Table for 15 kg KEMPEROL AC Speed Waterproofing				
Temperature [°C]	KEMPEROL CP cat. powder - quantity [g]	KEMPEROL CP cat. powder - quantity [%]	Pot life in container [min]	Rainproof / surface cured [min]
-5°C	600	4	60 min	90 min
0°C	600	4	45 min	80 min
+5°C	600	4	35 min	70 min
+10°C	600	4	30 min	60 min
+20°C	300	2	20 min	35 min
+30°C	150	1	20 min	30 min

## Laying

### 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.

During application the surface temperature must be 3 K above the dew point. If the dew point is not reached, the surface to be primed can form a moisture film and cause separation (DIN 4108 - 5 Tab.1).

### 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 must only be used in combination with KEMPEROL CP catalytic converter powder. The quantity of catalytic powder depends on the respective material temperature (refer to the Curing table).

### Application

KEMPEROL AC Speed Waterproofing is produced by mixing KEMPEROL CP catalytic converter powder and KEMPEROL AC Speed Waterproofing and KEMPEROL 165 fleece. Please refer to the application instructions 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.

### Job interruptions and further coating:

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

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.

Sufficient ventilation is essential. If KEMPEROL AC Speed Waterproofing is applied in insufficiently ventilated outdoor areas, please ensure an adequate level of air exchange, if necessary using additional artificial ventilation systems, to guarantee full curing. Always adhere to relevant rules and regulations. Always wear personal protective equipment (breathing equipment with filter A/P2, protective gloves, safety goggles). Clean the tools with KEMCO MEK Cleaning Agent immediately after use. Clean your hands.

### Note

Please consider the following technical information:

- TI 21 - substrate preparation
- TI 22 – Application of KEMPEROL/KEMPERDUR AC products
- TI 33 - Application of / AC Speed+ waterproofings at temperatures below +5°C

### Important notice

When using KEMPEROL AC Speed Waterproofing 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 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.

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**Disposal**

liquid	EAK 08 04 09
cured	EAK 08 04 10

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**GISCODE**

RMA10

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**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.

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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