

## KEMPEROL LF



### Uses

- As surface waterproofing, for creating connections and details in combination with KEMPEROL non-woven fabric
- For new buildings and repair work
- Can be applied to practically any substrate

### Characteristics

- Cold to process
- Water vapor diffusible
- Crack-bridging
- Root-resistant according to FLL test
- Accessible for maintenance purposes
- Solvent-free
- Low-odor
- UV-resistant
- Usable at temperatures higher than + 5 °C
- 1-component
- Plasticizer-free
- Lightfast
- CE marking
- Red algae resistant
- Resin base: Silane modified polymer
- Insensitive to humidity
- Isocyanate-free
- Alkali-resistant

### Pack sizes

6.5 kg

### 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 : min. 3,0 kg/ m<sup>2</sup>

### Properties

Form	Liquid
Standard colour	Anthracite
Workability time*	approx. 90 min
Rainproof after*	approx. 2 h
Can be walked on after*	approx. 16 h
Cured after*	approx. 16 h**
Further coating after*	approx. / **

\* 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 a layer thickness of 2 mm.

### CE marking

External fire performance	B <sub>ROOF</sub> (t1)
Reaction to fire	E
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

### Application

#### Preparing the substrate

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

For some substrates, e.g. concrete and screed surfaces, a primer may not be necessary depending on the load. In the case of concrete and screed surfaces, care must be taken to ensure that there is no moisture penetration from the rear of the substrate. Generally, the priming recommendations for KEMPEROL LF have to be observed.

Only apply when the substrate and ambient temperatures are ≥ +5 °C.

Due to the humidity tolerance of the material KEMPEROL LF can be applied to slightly damp substrates. However, the surface must be free of standing water.

When the product is applied the surface temperature must be above the dew point.

#### Mixing

Open the container and stir the material thoroughly and carefully.

### Use

Apply approx. 2/3 of KEMPEROL LF, roll in the KEMPEROL 165 fleece using a nylon roller. Ensure the fleece sections have a 5 cm overlap and are free from bubbles. Apply the remaining 1/3 of KEMPEROL LF onto the still wet first layer, ensuring saturation.

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.

When using the 6.5 kg container indoors, the limit value for methanol is complied with in cross-ventilated work areas.

### Work interruption and further coating

Standing time greater than 3 to 14 days: Cleaning the work area with KEMCO MEK Cleaning Agent.

Standing time greater than 14 days: Sanding the existing work area with sandpaper and cleaning the work area with KEMCO MEK Cleaning Agent.

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 21 - substrate preparation
- TI 34 - Correct masking of the surface to be treated with KEMPEROL

### Important notes

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.

Please allow for proper ventilation during and after application/curing.

### 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

RSP20

### 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 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](http://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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