

## KEMPEROL 022 waterproofing



### Uses

- For new buildings and repair work
- As seal in conjunction with KEMPEROL 500 fleece for walls and floors in wet rooms such as
  - House baths
  - Bathrooms in hotels
  - Showers
  - Dishwashing kitchens
  - Washrooms
  - Walks from swimming pools
- Tested according to ETAG 022
- For walls and floors in wet rooms with direct or indirect load and floor drainage

### Characteristics

- Stress class A according to ETAG 022 (= high stress)
- Odor-neutral
- Cold to process
- Water vapor diffusible
- Crack-bridging capacity 1.5 mm
- Joint-bridging capability min. 2 mm
- Single-layer processing
- Accessible for maintenance purposes
- Solvent-free
- 2-component
- Resin base: Liquid plastic
- Alkali-resistant

### Delivery size

6 kg, 12 kg in sheet steel container

### 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. 1,6 kg/m<sup>2</sup> for a layer thickness of min. 1 mm.

### Properties

Form	Liquid
Standard colour	Stone grey
Workability time*	approx. 25 min
Rainproof after*	approx. /
Can be walked on after*	approx. 16 h
Cured after*	approx. 72 h
Further coating after*	approx. 16 h

\* 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.

### Application

#### Preparing the substrate

Substrates must be dry (residual moisture in concrete in the upper 2 cm < 5%), capable of withstanding loads and free from materials that may hinder adhesion, and must be appropriately prepared.

Substrates must be appropriately pre-treated and absorbent substrates must be primed. Generally, the priming recommendations for KEMPEROL 022 Waterproofing have to be observed.

Application only at surface and ambient temperatures of > +10 °C.

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).

#### Mixing

KEMPEROL 022 Waterproofing component A must be stirred thoroughly.

Add component B to component A and mix until you have a streak-free mixture.

To prevent mixing errors, the mixture should be placed in another container and re-mixed.

#### Use

Apply approx. 2/3 of KEMPEROL 022 Waterproofing, roll in the KEMPEROL 500 fleece and embed it using a nylon roller. Ensure the fleece sections have a 5 cm overlap and are free from bubbles. Apply the remaining approx. 1/3 of KEMPEROL 022 Waterproofing onto the

still wet first layer, ensuring saturation. The fresh KEMPEROL 022 Waterproofing is scattered with KEMCO NQ 0408 Natural Quartz with a consumption of 1-1.5 kg/m<sup>2</sup>. The waterproofing does not require a layer protecting against alkalinity.

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.

Penetrations and details must be completely integrated in the surface waterproofing. Alternatively, it is possible to attach sleeves in advance. Tiles can be glued on immediately after the curing of the KEMPEROL 022 Waterproofing with the KEMPERDUR MT mineral tile adhesive .

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

#### **PPE**

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 applicable ETAG 022 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. The BG-Chemie data sheets must be observed during processing.

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**

Comp. A + B (mixture)	liquid	EAK 08 04 09
Comp. A + B (mixture)	cured	EAK 17 02 03

#### **GISCODE**

RE55

#### **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.

Issued: Vellmar, 2023-03-30