

## KEMPEROL PU Aqua



### Uses

- For the waterproofing of surfaces, for connections and details in combination with KEMPEROL Fleece
- As a construction product for the repair of roof and building sealing in connection with KEMPEROL fleece
- For new buildings and repair work
- Can be applied to practically any substrate

### Characteristics

- UV-resistant
- Solar reflectance index (SRI value) according to ASTM E1980-11: 101
- Thermal emissivity according to ASTM C1371-15: 89 %
- Solar radiation reflectance according to ASTM C1371-15 : 81 %
- Cold to process
- Water vapor diffusible
- Crack-bridging
- Accessible for maintenance purposes
- Solvent-free
- 1-component
- Ready-to-use
- Lightfast

### Pack sizes

15 kg in a container

### Shelf Life

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

### Usage guide

Depending on the nature and condition of the substrate : min. 2,5 kg/m<sup>2</sup>

### Properties

Form	Liquid
Standard colour	White
Workability time*	approx. 30 min
Rainproof after*	approx. 5 h
Can be walked on after*	approx. 12 h
Cured after*	approx. 1-2 d
Further coating after*	approx. 1 d

\* 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.

### CE marking

Water vapour diffusion factor $\mu$	~ 2870
External fire performance	B <sub>ROOF(t1)</sub>
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 dry, sound and free from any material that would hinder adhesion.

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

Open the container and stir the material thoroughly and carefully.

#### Use

Apply approx. 2/3 of KEMPEROL PU Aqua, roll in the KEMPEROL 165 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 PU Aqua onto the still wet first layer, ensuring saturation.

Material, ambient air and substrate temperature must be at least +10°C at a relative humidity < 75% to max. +40°C at a relative humidity < 85%. When executed, the surface temperature must be 3 K above the dew point.

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.

#### **PPE**

Personal protective equipment should be worn. Always clean tools immediately after use with water.

#### **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 BG-Chemie data sheets must be observed during processing.

#### **Disposal**

liquid	EAK 08 04 09
cured	EAK 17 02 03

#### **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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