



KEMPER SYSTEM



TECHNICAL INFORMATION

KEMPEROL® SYSTEM

KEMPEROL® V 210

Waterproofing System

Uses

- Used in conjunction with **KEMPEROL® Fleece** for waterproofing details, joints and general waterproofing of structures
- As a waterproofing system for flat roofs, plant holders, buildings, etc.
- For green roofs
- For new construction and remedial projects
- Can be applied to virtually any substrate

Features

- conforms to German building regulations
- third party monitoring
- proven since 1970
- water vapour permeable
- bridges cracks
- resistant to flying sparks and radiated heat (DIN 4102 Part 7)
- root resistant according to FLL-testing
- excellent full-surface adhesion

Composition

3-component waterproofing system based on flexible polyester resin.

Pack sizes

KEMPEROL® V 210 resin

Components A 23.4/9.4 kg

Components B 25/10 kg

KEMPEROL® Catalyst Powder 1.6/0.6 kg

Shelf Life

Cool and dry, can be stored for 12 months.

KEMPEROL® Catalyst Powder must be stored separately.



Properties

Form	Comp. A liquid Comp. B liquid Catalyst Powder
Colour	grey, special colours on request
Workability period* [min, 23 °C]	approx. 15
Rainproof* after [min]	approx. 30
Can be walked on* after [h]	approx. 6
Cured* after [d]	approx. 3
Next coat can be applied after* [h]	approx. 6

*Depending on weather conditions such as wind, humidity and temperature

Usage guide

Depending on the nature and condition of the substrate:

Approx. 2.8 – 3.6 kg/m² giving a coating thickness of 2.0 – 2.5 mm

Application

The substrate must be dry, sound and free from any material that would hinder adhesion. Primer recommendations should be followed.

Apply only when substrate and ambient temperature exceeds 5 °C. If the dew point is not reached, a moisture film can form on the surface to be treated and cause separation (DIN 4108–5 Tab.1).

During application the surface temperature must be 3K above the dew point. At ambient temperatures under +10 °C, **KEMPEROL® Cold Activator**, and over +25 °C, **KEMPEROL® Inhibitor C3** should be added to **KEMPEROL® V 210** component B.

Mixing:

Mix **KEMPEROL® Catalyst Powder** component C thoroughly into **KEMPEROL® V 210** component A.

Dissolving time: approx. 20 min. at +20 °C. Stir **KEMPEROL® V 210** component B thoroughly until no streaks are visible and mix thoroughly in a 1:1 ratio with the **KEMPEROL® V 210** component A+C mixture. Again, ensure that no streaks are visible.

Approx. 2/3 of the **KEMPEROL® V 210** is applied to the substrate and **KEMPEROL® Fleece** is rolled with a perlon roller, removing air bubbles and allowing an overlap of 5 cm. Then the remaining 1/3 of the **KEMPEROL® V 210** is poured onto the surface until complete saturation is achieved.

Joints on door and window elements etc. with a height of < 15 cm (as a water-bearing level from the upper edge) should have at least 5 cm of overlap. Connections to the surface waterproofing should be made with at least a 10 cm overlap.

For surfaces under 2% incline and used surfaces, a film thickness of at least 2 mm must be achieved.

KEMPEROL® V 210 has only limited alkali resistance. Two coats of **KEMPEROL® EP-Primer** provide suitable protection for long-term exposure.

KEMPERDUR® Natural Quartz 0.7 – 1.2 mm should be sprinkled into the second coat of **KEMPEROL® EP-Primer**.

Personal protective equipment should be worn.

Clean the tools immediately after use with **KEMPEROL® MEK Cleaning Agent**. Rub **KEMPER SYSTEM skin care cream** into the skin.

Monitoring

Monitored by authorised inspection institutes and constant quality control by KEMPER SYSTEM laboratories.

Test certificates

Inspection certificates on request

Important notice

The valid version of the “Special regulations for roofs with seals”, the DIN standards valid for the respective trade and the state of the art apply when the product is applied.

For chemical resistance, see the Chemical Resistance List A-Z.

The safety data sheets, identification of the units, hazard warnings and safety recommendations on the units must be observed during transportation, storage and application. The following BG-Chemie technical information must be observed for application: M 001, M 023, M 054.

Disposal

Components A+B liquid	EWC 08 04 09
Components A+B cured	EWC 08 04 10
Catalyst powder	EWC 16 05 08

General information

The times given are reduced with higher and increased with lower surrounding and work surface temperatures.

We guarantee the consistent high quality of our products.

KEMPER SYSTEM products must not be mixed with other manufacturers' products.

The technical information and application instructions contained herein reflect the current level of knowledge and 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 practice. 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 – correct application of our products therefore falls entirely within your scope of liability and responsibility. Our products are sold exclusively on the basis of our conditions of sale and delivery.

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