

KEMCO QB1 Binder



Application area

- Covering for interior areas, covered walkways, balconies and terraces
- For new buildings and repair work
- To produce decorative finishes made of KEMCO Decor Stone / Natural Stones and KEMPERDUR CQ 0408 Colorquarz
- Indoor and outdoor use
- On KEMPEROL waterproofing products

Features

- Solvent-free
- Odourless
- Lightfast
- AgBB-compliant
- Air-humidity cured
- 1 part (single component)
- Weatherproof
- Resin base: Polyurethane resin

Pack size

- 1.75 kg package
- 5.25 kg package

Storage

Store unopened in a cool, frost-free and dry place, see label for use before date.

Consumption

7 mass% = 1.75 kg package for 25 kg KEMCO Decor Stone / Natural Stones

Ready-to-use mixture: 18 kg/m² KEMCO Decor Stone / Natural Stones for a layer thickness of 8 mm

10 mass% = 2.50 kg for 25 kg KEMPERDUR CQ 0408 Colorquarz

Ready-to-use mixture: 7 kg/m² KEMPERDUR CQ 0408 Colorquarz for a layer thickness of 3 mm

Properties

Form	Liquid
Colour	transparent yellowish
Workability time*	approx. 45 min
Rainproof after*	approx. 2 h
Can be walked on after*	approx. 72 h
Cured after *	approx. 3 d
Layer thickness of the finished covering (fleece laid with overlaps)	approx. 8 mm
Layer thickness of the finished covering with Colour Quartz	approx. 3mm
Fire exposure from outside	B _{fl} **, ***
Non-slip class	R9 ***

* 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.
 ** Classification according to DIN EN 13501-1
 2006: DIN 4102-14 - Resistance to flying sparks and radiant heat.
 *** Checked with KEMCO Decor Stone / Natural Stones

Application

Preparing the substrate

Substrates like concrete, screed or KEMPEROL waterproofing products must be level, dry, firm and free of from any substances which may hinder adhesion. Surfaces must be prepared and primed in line with the manufacturer's guidelines.

In the still fresh KEMCO POX 2K Primer or KEMPERTEC EP5 primer will be ca. 300 g/m² KEMCO NQ 0408 Natural Quartz as a bonding layer is spread.

The still wet KEMPERTEC AC Primer is scattered with at least 2 kg/m² KEMCO NQ 0408 Natural Quartz as a bonding coat in grain-to-grain contact.

Coating requirement

In case of temperatures between +10 ° C and +30 ° C, acclimatize the material for 24h before use. 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).

Optimal processing temperature at $> + 10^{\circ} \text{C}$ (air temperature).

High air humidity ($>80\%$) can affect the surface structure.

Mixing

Application with KEMCO Decor Stone / Natural Stones and KEMPERDUR CQ 0408 Colorquarz: After opening the container, stir the binder thoroughly with a wooden stick.

Stir the product KEMCO QB1 Binder with a slow-running positive mixer thoroughly into the KEMCO Decor Stone / Natural Stones until you achieve a homogeneous mixture with the binder and the stones. Mixing time: 5 min; use within 40 min.

To avoid foaming, empty the mixing bucket immediately after the mixing process without leaving any residues. Avoid material accumulation.

Application

Divide larger areas into bays according to the German "Tile-Laying Guidelines". Expansion joint profile rails are used for this subdivision. Complete each bay in one operation. Spread the prepared mixture evenly over the substrate with a straight-edge, smooth the surface and compact it lightly with a smoothing trowel. Afterwards, smooth the surface evenly again with the smoothing trowel.

PPE

Personal protective equipment must 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 note the following technical information:

- TI 21 – Substrate Assessment
- TI 24 - Cleaning and maintenance
- TI 29 - Non-slip classes

Important note

The safety data sheets, the container labelling and the danger and the safety recommendations on the containers must be complied with during transport, storage and processing; as are the chemical trade association information sheets.

On surfaces in an exposed position, e. g. in a forest location, or when ponding occurs, with KEMCO Decor Stone / Natural Stones algae growth, soiling or the like are possible.

Wear surfaces are subjected to mechanical stress and therefore require periodic inspection/maintenance. Depending on the degree of wear, a rework may be required.

Surface stickiness may persist for up to three days depending on outside temperature and air humidity.

Disposal

Liquid	EAK 08 05 01
cured	EAK 17 02 03

GISCODE

PU40

General information

The times given above are reduced with higher and increased with lower ambient and substrate temperatures as well as with the relative humidity. KEMPER SYSTEM products must not be mixed with other manufacturers' products.

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 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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