

Primer PU BHH

Description

Primer BHH is a solvent-free two-component Polyurethane, which is characterized by an approximately 100% solids content and a very good adhesion to normal to strongly sucking surfaces. It is the preferred primer for cement-bound screeds.

Properties

Circa 100% Solid, oplosmiddelvrij	
Low viscosity	
High adhesion strength	
Easy to process	
Very good porifilling capacity	
Density ¹ (g/cm ³) Primer	1,00
Electrical conduction	>100 GΩ
Adhesive strength ³ (N/mm ²)	> 1.5 (Concrete fracture)

¹ = EN 12190, 14 days/ + 23 °C/50% R.H

² = Brookfield, LV4, 30 RPM, at 23°C

³ = EN 4624, 14 days/ + 23 °C/50% R.H

Form

Component A: Liquid, light grey
Component B : Liquid, clear brown transparent

Packaging

Component A: 8,38 kg Emmer
 Component B : 6.62 kg Jerrycan

Sets:15 kg

Shelf life / Storage

Up to 12 months after the production date in original, sealed, unopened and undamaged packaging, stored dry between +5 °C and +30 °C

Mixing

Mixing ratio: Component A: Component B = 50: 50 (gewichtsdelen)

Add component B completely to component A and mix for 2 minutes into a homogeneous mixture.

Then pour the mixture into a clean bucket and mix it intensively for at least 1 minute. This is to prevent any unmixed parts on the edge and / or bottom.

Mixing too fast or too long should be avoided to minimize air containment.
 Air that you don't bring in doesn't have to come out

Mixing is preferably done with a powerful mixer at low rpm, 300 – 400 RPM, with a Quartzline WK 90 mixing basket.

Systeemopbouw

Primer for porous surfaces: **Quartzline Primer PU BHH**

for dust binding and strengthening of the substrate as well as to close pores. When in doubt, put a close test.

Wearlayer: The following Quartzline floor systems can be used:

- SL-PU D30
- SL-PU D60
- SL-PU D70
- SL-PU UV
- SL-PU UV NF
- SL-PU UV HD

Topcoat Diverse Quartzline watergedragen polyurethaan topcoat.

See corresponding technical datasheets for which floor and coating combinations are possible!

FOR EVERY CAST FLOOR / COATING SYSTEM:

After using the primer and any scraping, the substrate must be closed BEFORE the finishing layer is applied. This is to prevent blowing and holes in the finishing layer.

Consumption

Primer: For a first layer approximately 125 – 150 and for a second optional layer approximately 75 – 100 g/m²

All values are theoretical and depend on suction, roughness and flatness of the soil.

Preparing the surface

The surface must be clean and dry and free of dirt, oil, grease and other contaminants.

The substrate must be healthy and sufficiently pressure-resistant (at least 25 N/mm²), with a minimum adhesion strength of 1.5 N/mm².

Weak concrete and loose cementitious levelings should be removed and surface damage, such as holes and hollow spaces, should be filled with Quartzline Epoxy gel. **DO NOT USE POLYESTER-BASED PUTTY**, no adhesion is obtained.

The concrete floor or cement screed must primed or scratched obtain a flat surface. Imperfections must be removed by e.g. sanding.

Uneven surfaces must first be levelled, using Quartzline cementitious or Alpha systems for this. For more information see the relevant Technical Data Sheets.

Before the product is applied, all dust and loose components must be completely removed from all surfaces, preferably with the help of a broom and/or industrial vacuum cleaner.

Concrete substrates must be **mechanically** pre-treated by means of low-dust blasting or notching equipment to remove the cement skin and obtain a roughened, strong and clean surface.

Application conditions

Subsoil temperature : Minimum 10 °C, maximum +35°C

Ambient temperature: Minimum 10 °C, maximum +35 °C

Moisture content substrate: < 4% moisture
To be tested via a carbide measurement.

Relative air humidity Maximum 80% R.H.

Dew point: Beware of condensation!

The temperature of the substrate and of the uncured material should be at least 3°C higher than the dew point to reduce the risk of condensation on the floor finish.

Application

Processing time at 20 °C	25 minutes
Second layer	After Approximately 12 hours
The next one was within 24hours	

Before application, check the moisture content of the substrate, R.H. and dew point.

Pour the mixed material onto the surface and scrape with a flat chip or a not too flexible wiper.

Comments

The most important thing with primer is to fill the (micro) pores and to prevent air bubbles. Uneven or not clean surfaces cannot be treated with a coating.
Both surfaces must be treated or cleaned in advance.

During processing and curing protect against rain / water.

An incorrect assessment and treatment of cracks can lead to a reduction in service life and recurrent cracking.

Process mixed material directly, because upon reaching the end of the processing time , the material becomes very tough and nonprocessable.

If heating is required, do not use gas, oil, paraffin or other fossil fuel burners, these cause large amounts, both CO² and H²O water vapor, which can adversely affect the finish. For heating use only electrically driven hot air fan systems.

Cleaning / maintenance

For the sustainable preservation of this floor system, all spillages should be removed as soon as possible and cleaned regularly using brushes, scrubbers/suction machines, rubber wipers, high pressure cleaning, etc. using appropriate cleaning agents.

Clean the floor with warm water, never use hot water (above 40 °C).

Value basis

All technical data in this product information sheet are based on laboratory tests.
Data may change depending on the circumstances.

Health and safety information

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the latest product safety information sheet, concerning the physical, ecological, toxicological and other safety related data.

Legal notice

The information, and especially the recommendations regarding the application and end use of Quartzline products, is provided in good faith on the basis of Quartzline's current knowledge and experience with products that are in the right way stored, treated and applied under normal conditions.

In practice, the differences in materials, sub-layers and actual circumstances on site may be such that no guarantee can be derived from this information and advice with regard to marketability or suitability for a particular purpose, nor any liability arising from any legal relationship, based on this information, or from any written recommendations or any other advice that is given. Quartzline reserves the right to change the properties of products.

The rights of third parties must be respected. All orders are accepted under the current terms and conditions of sale and delivery.

Users should always consult the most recent edition of the product safety data sheet for the product in question. Copies thereof shall be provided upon request.