

## Primer GP

### Description

Primer GP is a coloured, one-component water-based acrylic primer with filling material. With a subtle structure, it has excellent adhesive properties and is very fast drying.

On both porous and non-porous surfaces, Primer GP is very suitable as a primer for substrates under the Quartzline Cementitious Micro systems. The fine grain in this primer gives it a subtle structure and provides sufficient resistance to prevent 'rolling' in the Micro system. The off-white colour makes it easy to see which areas have been primed.

The high bonding strength of Primer GP makes it suitable for ceramic tile projects as well.

### Form

Liquid, off-white

### Packaging

10kg bucket

### Shelf life/storage

Up to 6 months from production date when stored correctly in the original, sealed, unopened and undamaged packaging and stored in a dry area between +5°C and +30°C.

### Mixing

Mix the primer briefly before use; avoid over-mixing.

### System construction

#### Primer: **Quartzline Primer GP**

Primer GP is perfect for use on both porous and non-porous substrates. This primer with filling material is very fast drying. What's more, the subtle structure of Primer GP provides sufficient resistance for the Cementitious Micro BASE to prevent 'rolling'.

If in doubt perform a preliminary adhesion test.

### Key features

Water-based	
Solvent free	
Excellent adhesive properties	
Fast drying	
Density <sup>1</sup> (g/cm <sup>3</sup> )	+ 1.40
Viscosity <sup>2</sup> (mPa.s)	Approx. 10,000
Solids content	approx. 67.5%
Bond strength <sup>3</sup> (N/mm <sup>2</sup> )	> 1.5 (concrete failure)

<sup>1</sup> EN 12190, 14 days / + 23°C / 50% RH

<sup>2</sup> Brookfield, LV4, 30 RPM, at 23°C

<sup>3</sup> EN 4624, 14 days / + 23°C / 50% RH

### **WARNING: ANHYDRITE SCREED**

Unfortunately, the quality of anhydrite screed can vary considerably. Bearing this in mind, Quartzline recommends that anhydrite screed be sanded and vacuumed first and then primed with Primer BHH or SL-EP Scratchcoat before treating with a layer of Primer GP. The residual moisture content of the anhydrite layer must not exceed 0.3 CM%.

**Wearing course:** Cementitious Micro BASE followed by Cementitious Micro TOP

**Topcoat:** Cementitious Micro should be coated with 'Coating CSL' (100 to 150 g/m<sup>2</sup>). This coating then needs to be treated a day later using 'Coating PU MG' in either matt or satin gloss finish.

Please see the relevant Technical Data Sheets for more information.

### **Consumption**

Approx. 150 to 250g/m<sup>3</sup>

### **Substrate preparation**

The substrate must be structurally sound and have a compression strength of at least 25 N/mm<sup>2</sup> and a minimum tensile (pull-off) strength of 1.5 N/mm<sup>2</sup>.

The substrate must be clean and dry and free of all contaminants like dirt, oil, grease, etc.

Concrete substrates must be mechanically prepared using vacuum-assisted blast cleaning or scarifying equipment to form an open-textured, strong gripping surface free of cement laitance and other contaminants.

Weak concrete and loose cement-based leveling screed must be removed, and surface imperfections, such as blowholes and cavities, must be filled with Quartzline Epoxy Gel.

Before applying the product, all surfaces must be completely free of dust and loose particles. This should preferably be done using a broom and/or an industrial vacuum cleaner.

The concrete floor or cement screed must be primed or scraped to create a flat surface. Uneven areas must be levelled out, by sanding for example. Uneven substrates will need to be levelled first, using Quartzline Cementitious SL Underlayment or Cementitious SL Constructive screed. Please refer to the relevant Technical Data Sheets for more information.

Prior to the installation of upper layers in a flooring system, the residual moisture content of the lower screeds must not exceed 2 CM% (less than 1.8 CM% for a heated floor).

### **WARNING: Anhydrite screed**

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## **Application conditions**

Substrate temperature:	Minimum +10°C, maximum +35°C
Ambient temperature:	Minimum +10°C, maximum +35°C
Substrate moisture content:	Less than 4% - measured using calcium carbide testing
Relative air humidity:	Maximum 75% RH
Dew point:	Prevent condensation

During drying, the relative humidity should not exceed 75%. While the product is drying, ensure that there is adequate ventilation and air circulation to remove excess moisture: the primer WILL NOT dry if the humidity is too high.

## **Application**

Apply using a nap/sheepskin roller.

## **Special considerations**

Low temperatures and/or high air humidity increase the curing times.

If heating is required, do not use gas, oil, paraffin or other fossil fuels. These emit large quantities of both CO<sub>2</sub> and H<sub>2</sub>O vapour, which can adversely affect the finish. For heating use only electrically powered warm air blower systems.

## **Cleaning / maintenance**

To keep the floor in good condition after application of the topcoat, it should be kept clean and all spills mopped up immediately. The floor should be cleaned regularly using brushes, a mechanical scrubber, squeegee, high pressure washer, etc. Always use suitable cleaning agents.

**Clean the floor with lukewarm water: never use hot water (temp. above 40°C).**

## **Basis of values**

All technical information on this technical data sheet is based on laboratory testing. Depending on the actual conditions the stated values may vary.

## **Health and safety information**

For information and advice on safe handling, storage and disposal of chemical products, the user should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related information.

## **Legal notices**

The information, and, in particular, the recommendations relating to the application and end-use of Quartzline products are given in good faith based on Quartzline's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Quartzline's directions.

In practice, differences in materials, substrates and in-situ conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose can be inferred from this information and advice, nor can any liability out of any legal relationship whatsoever be inferred from this information, any written recommendations or any other advice offered.

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All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent edition of the Material Safety Data Sheet for the product concerned, copies of which will be supplied on request.