

# PRODUCT DATA SHEET

Reference: TDS03BWHH014

## PRIMER PU BHH



Quartzline Primer PU BHH is a solvent-free, two-component, polyurethane primer with high filling power, suitable for porous substrates such as concrete and cement and anhydrite substrates. Suitable, amongst other things, as a primer under Quartzline epoxy, polyurethane, decorative quartz and marble systems.

Primer PU BHH is characterised by very high adhesion strength and a high solids content. The primer fills (micro)pores and prevents air entrapment, resulting in a stable and sealed base for the finish.

### APPLICATION CONDITIONS:

Substrate temperature	Minimum 10°C, maximum 35°C
Ambient temperature	Minimum 10°C, maximum 35°C
Substrate moisture content	< 4% moisture (tested using a carbide test)
Relative humidity	< 80% R.H.
Dew point	Beware of condensation

### SUBSTRATE PREPARATION:

The substrate must be sound, clean, dry and free from dust, oil, grease and other contaminants, with a minimum compressive strength of 25 N/mm<sup>2</sup> and an adhesion strength of 1.5 N/mm<sup>2</sup>.

Mechanically prepare concrete substrates, for example with low-dust blast cleaning or grinding, to remove the cement laitance and create a rough, high adhesion surface. Remove weak concrete and loose particles and fill any holes or voids with Quartzline Epoxygel.

### CONSUMPTION:

The consumption of Quartzline Primer PU BHH is 150g – 300g per m<sup>2</sup>.

Consumption depends heavily on the absorbency of the substrate.

### APPLICATION:

Mixing ratio: Component A: Component B = 68 : 32 (parts by weight)

Add component B in full to component A and mix for 2 minutes at 300–400 RPM using a Quartzline WK 90 mixing paddle until a homogeneous mixture is achieved. Pour the mixture into a clean bucket and mix thoroughly for at least 1 minute to prevent any unmixed sections from forming on the sides and bottom of the bucket.

Pour a pool of primer onto the floor and spread it with a squeegee or roller. Overcoat Primer PU BHH within 48 hours.

For crack treatment, completely saturate cracks with Primer PU BHH. If possible, grind cracks open into a V-shape and continue filling until the material no longer sinks in.

### CHARACTERISTICS:

Ca. 100% solids content
Solvent-free
High adhesion strength
Easy to apply
Excellent ability to fill pores

### TECHNICAL PROPERTIES:

Density <sup>1</sup> (g/cm <sup>3</sup> )	1.00
Electrical conductivity	> 100 GΩ
Viscosity <sup>2</sup> (mPa.s)	500–700
Adhesion strength <sup>3</sup> (N/mm <sup>2</sup> )	> 1.5 (Concrete failure)
Shore hardness <sup>4</sup>	> D80

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.

4 = DIN 53505, 14 days/ +23 °C/50% R.H.

### INFORMATION:

**Component A:** Liquid, clear and transparent, 8.5 kg/20 kg bucket or 0.68 kg tin

**Component B:** Liquid, clear and transparent to pale yellow, 4kg/9.4kg jerrycan or 0.32kg tin

**Shelf life:** Up to 12 months from the date of manufacture in the original, sealed, unopened and undamaged packaging, stored in a dry place between 5°C and 30°C.

### CURING TIME:

Phase (20°C)	Time
Pot life	25 min.
Dust dry	12 hours
Light load	2 days
Fully cured	7 days



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### IMPORTANT NOTES:

- Apply mixed material immediately; at the end of the pot life, the flow decreases.
- Protect freshly applied material from moisture
- If heating is required, use only electrically powered hot-air fan systems

### LEGAL NOTICE:

The information and recommendations provided are based on Quartzline's current knowledge and experience when used correctly under normal conditions. Due to variations in materials, substrates and conditions, no guarantee or liability can be accepted regarding suitability or application. Quartzline reserves the right to modify product properties. The proprietary rights of third parties must be respected. All deliveries are subject to the applicable terms and conditions of sale and delivery.

### VALUE BASE:

All technical data in this product data sheet are based on laboratory tests. Data may vary depending on conditions.

### HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user must consult the most recent product safety data sheet, containing information on physical, ecological, toxicological and other safety-related data.

