

PRODUCT DATA SHEET

Reference: DS05PRUN014

PRIMER UNIVERSAL



Quartzline Primer Universal is a single-component, water-based acrylic primer suitable for porous substrates such as sand-cement and anhydrite substrates. It is suitable, amongst other things, as a primer for Quartzline cement and gypsum levelling mortars.

Primer Universal is characterised by good adhesion properties and fast drying. Depending on the substrate, the primer must be diluted with water.

APPLICATION CONDITIONS:

Substrate temperature	Minimum 10°C, maximum 25°C
Ambient temperature	Minimum 10°C, maximum 25°C
Relative humidity	< 85% R.H.
Dew point	Watch out for 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/mm² and an adhesion strength of 1.5 N/mm².

Mechanically prepare concrete substrates, for example by low-dust blast cleaning or grinding, to remove the laitance and create a rough, high adhesion surface.

Remove weak concrete and loose particles and fill voids or cavities with Quartzline Epoxygel.

For poor anhydrite substrates, first prime with Primer BHH and broadcast 0.4–0.8 mm sand before applying Primer Universal.

APPLICATION:

Apply Primer Universal using a spray unit or a nylon roller until the floor is completely saturated.

Allow the primer to dry until film formation occurs, recognisable by a transparent sheen. Remove or spread out any puddles before finishing the floor. Apply the next coat within 24 hours of the primer drying.

CHARACTERISTICS:

Water-based
Solvent-free
Good adhesion properties
Quick-drying

TECHNICAL PROPERTIES:

Density ¹ (g/cm ³)	1.02
Viscosity ² (mPa.s)	400 - 500
Solids content	ca. 37.5 %
Adhesion strength ³ (N/mm ²)	> 1.5 (Concrete failure)

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

2 = Brookfield, LV4, 30 RPM, @ 23°C

3 = EN 4624, 14 days / +23°C / 50% R.H.

INFORMATION:

Packaging: 10kg bucket

Form: Liquid, milky white

Shelf life: Up to 6 months from the date of manufacture when stored in the original, sealed, unopened and undamaged packaging, in a dry place at a temperature between 5°C and 30°C.

DRYING TIME:

Depending on the temperature, humidity and absorbency of the substrate, the drying time is 20–30 minutes at 20°C. Use a fan to speed up the drying process.



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CONSUMPTION:

Mixing ratio and consumption on different substrates:

Substrate	Mixing ratio primer/water	Consumption
Sand-cement	1:3	300 - 500 g/m ²
Concrete	1:3	300 - 500 g/m ²
Monolithic concrete	1:1	150 - 250 g/m ²
Wood	undiluted	300 g/m ²
Linoleum	1:1	150 g/m ²
PVC	1:1	150 g/m ²
Tiles	undiluted	150 g/m ²
Natural stone	undiluted	250 g/m ²
Steel	undiluted	250 g/m ²
Magnesite	1:1	250 g/m ²
Cement-based levelling compounds	1:1	250 g/m ²
Anhydrite	1:3	250 g/m ²

IMPORTANT NOTES:

- At low temperatures and/or high humidity, drying times are longer.
- Primer Universal is not suitable for wet areas or outdoor use.
- For heating, use only electrically powered hot-air fans.
- Ensure adequate ventilation during drying; the film will not dry if the air is saturated.

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.

