PRIMER UNIVERSAL

Quartzline Primer Universal is a one-component, waterborne acrylic primer suitable for porous substrates such as sand-cement and anhydrite substrates. Among other uses, it is suitable as a primer under Quartzline cement- and gypsum-based levelling mortars.

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



CE

CE according to EN 13813 (DoP01PRUN018).

FEATURES

- Waterborne
- Solvent-free
- Good adhesion properties
- Fast-drying

TECHNICAL PROPERTIES

Property	Unit	Value
Density[1]	g/cm³	1,02
Viscosity[2]	mPa·s	400 – 500
Solids content	–	ca. 37,5 %
Adhesion strength[3]	N/mm²	> 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

APPLICATION CONDITIONS

Substrate temperature	Minimum 10 °C, maximum 25 °C
Ambient temperature	Minimum 10 °C, maximum 25 °C
Substrate moisture content:	< 4% moisture (test via a calcium carbide measurement)
Relative humidity	< 85% R.H.
Dew point	Min. 3 °C above the dew point

SUPPLY FORM

Packaging	Consistency	Appearance
10 kg bucket	Liquid	Milky white

STORAGE & SHELF LIFE

Shelf life	Up to 6 months from production date
Packaging	Original, sealed, unopened and undamaged
Storage conditions	Dry, between 5 °C and 30 °C

SURFACE PREPARATION

The substrate must be sound, clean, dry and free of dust, oil, grease and other contamination, with a minimum compressive strength of 25 N/mm² and an adhesion strength of 1.5 N/mm².

Mechanically treat concrete substrates, for example by low-dust blasting or diamond grinding, to remove the cement skin and create a rough, adhesive surface. Remove weak concrete and loose parts and fill holes or cavities with Quartzline Epoxygel or the appropriate Quartzline MRP.

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

CONSUMPTION

Mixing ratio and consumption on different substrates:

Substrate	Mixing ratio primer/water	Consumption
Sand-cement	1:3	300 – 500 g/m²
Concrete	1:3	300 – 500 g/m²
Monolithic concrete	1:1	150 – 250 g/m²
Wood	undiluted	300 g/m²
Linoleum	1:1	150 g/m²
PVC	1:1	150 g/m²
Tiles	undiluted	150 g/m²
Natural stone	undiluted	250 g/m²
Steel	undiluted	250 g/m²
Magnesite	1:1	250 g/m²
Cement-based levelling layers	1:1	250 g/m²
Anhydrite	1:3	250 g/m²

APPLICATION

Apply Primer Universal with a pressure sprayer or a nylon pile roller until the floor is fully 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 a subsequent layer within 24 hours of the primer drying.

DRYING TIME

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

REMARKS

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

BASIS OF VALUES

All technical data in this product data sheet is based on laboratory tests. Data may change depending on the conditions.

HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent safety data sheet (SDS), regarding the physical, ecological, toxicological and other safety-related data.

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 warranty or liability can be accepted for suitability or application. Quartzline reserves the right to change product properties. Third-party proprietary rights must be respected. All deliveries are subject to the applicable terms and conditions of sale and delivery.