

Coating CSL

Description

Coating CSL is a one component water based, high-grade acrylic resin coating, renowned for its excellent adhesion to Quartzline cementitious systems.

Coating CSL is the **only** coating that can be directly applied on to Quartzline Cementitious systems. The Coating CSL must be topcoated with a wear resistant layer such as the Coating PU MG.

Form

Liquid, milky white

Packaging

10 kg bucket.

Shelf life / Storage

Up to 6 months after production date if kept in the original, sealed, unopened and undamaged packaging and stored dry between +5 °C and +30 °C.

Mixing

Manually mix bucket contents before use.

With absorbent cementitious substrates do not pour from the bucket but apply using a nylon roller directly out of the bucket or use a paint tray.

System construction

Primer: Quartzline Primer Universal and Primer FST are the **only** suitable primers to be used under a Quartzline Cementitious SL flooring system, regardless of the substrate. Therefore it may be necessary to prime with Primer GW or Bouwhars/harder, possibly with a scratch coat before applying Primer Universal that may be diluted with water. If you wish, you can lightly broadcast with 0.4 - 0.8 mm kiln dried quartz.

In case of doubt, always perform a preliminary adhesion test.

Properties

Water based

Solvent-free

Excellent adhesion qualities

Fast drying

Density¹ (g/cm³) 1,05

Viscosity² (mPa.s) 350 – 400

Adhesive strength³ > 1.5 (Concrete fracture) (n/mm²)

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

Mixing ratio and consumption under Quartzline Cementitious SL:

Surface	Ratio primer/water	Consumption
Blasted 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
Cementitious self-levellings	1:1	250 g/m ²

Primer GP is used under the Quartzline Cementitious Micro system.

Wearing course: The following Quartzline floor systems can be used:

- Cementitious SL Decorative
- Cementitious SL Constructive
- Cementitious SL Underlayment
- Cementitious Micro

Adhesive: **Coating CSL**

ATTENTION: Coating CSL is solely intended to be used as an adhesive between the Coating PU MG and any cementitious substrate. Coating CSL must always be treated with a transparent top layer such as Coating PU MG, available in matt or satin gloss finishes.

Topcoat: Coating PU MG Matt or Satin Gloss.

The Quartzline Coating CSL is part of the following systems:



- **Quartzline Construct**



- **Quartzline Cem Decorative**
- **Quartzline Cem Micro**

Consumption

The consumption of the Coating CSL is around 150 g/m².

Substrate preparation

The substrate must be sound and sufficiently compression-resistant (at least 25 N/mm²), with a minimum adhesive strength of 1,5 N/mm².

The substrate must be clean and dry and free of dirt, oil, grease and other soiling.

All dust, loose and friable material must be fully removed from all surfaces before the product is applied, preferably using a brush and/or industrial vacuum cleaner.

Application conditions

Substrate temperature:	Minimum 10°C, maximum +30°C
Ambient temperature:	Minimum 10°C, maximum +30°C
Substrate moisture content:	< 4% moisture To be tested with a carbide measurement.
Relative air humidity	Maximum 75% R.H.
Dew point:	Beware of condensation!

While the product is drying the humidity should not exceed the 75% maximum RH. Ensure that sufficient ventilation and air circulation is able to extract the excess moisture, if the air is saturated, the film CANNOT dry.

Application

The set time for Coating CSL depends very much on air temperature and humidity.

The porosity of the Cementitious will cause absorption off all the moisture from the Coating CSL and doing so it will set the Coating CSL rapidly.

The coating CSL must be, at the earliest the next day, coated with a Coating PU MG matt or silk.

Check the air humidity and dew point before application.

Apply around 150 g/m² with a piled or microfiber roller directly out of the bucket or by paint tray. Due to the porosity of Quartzline Cementitious SL products DO NOT pour puddles (pools) onto the ground as this will result in stains. The porosity will also cause all moisture to absorb and it let set the Coating CSL quickly.

Avoid rolling over the same spot twice as this will be visible in the finish, any unavoidable marks can be hidden by using Quartzline Coating PU MG Matt.

Apply the coating in one even layer and leave to dry, **do not** over spread or back roll.

ATTENTION: Watch out for drips, they will remain permanently visible!

Cleaning/maintenance

To maintain the appearance of the floor after application, the floor must be kept clean and all spillages removed immediately.

The floor must be cleaned regularly using a rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc.

Always use suitable detergents and waxes.

Clean the floor with tepid water. Never use hot water (warmer than 40 °C).

Value base

All technical data stated in this technical data sheet is based on laboratory tests.

Actual measured data may vary due to circumstances beyond our control.

Health and safety information

For information and advice on safety handling, storage and disposal of chemical products, users should refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety related data.

Legal notes

This information, and in particular the recommendations related to the application and end use of Quartzline products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Quartzline's recommendations.

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

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