LAVA TOP

Quartzline Lava Top consists of mineral grains combined with a two-component epoxy resin and is the second of two layers within the Quartzline CEM Lava system. Lava Top contains a finer grain than Lava Base. Suitable for use in residential environments and commercial spaces such as offices, shops and hospitality.

The Quartzline CEM Lava system is highly wear- and scratch-resistant and is characterised by a subtly lively floor appearance due to the grain structure.

FEATURES

- Mineral appearance
- Wear- and scratch-resistant
- UV-resistant
- Easy to apply
- Seamless
- Easy to clean
- Applicable in wet areas
- Good chemical and mechanical resistance
- Suitable for use with underfloor heating

TECHNICAL PROPERTIES

Property	Unit	Value
Density[1]	g/cm³	1,75
Viscosity[2]	mPa·s	5.000
Shore hardness	–	> D80

[1] ISO 2811-1, +23 °C / 50% R.H [2] Brookfield, LV4, 30 RPM, @ 23 °C

APPLICATION CONDITIONS

Substrate temperature	Minimum 15 °C, maximum 25 °C
Ambient temperature	Minimum 15 °C, maximum 25 °C
Substrate moisture content	< 4% moisture (test via calcium carbide measurement)
Relative humidity	< 75% R.H.
Dew point	Min. 3 °C above the dew point

The temperature of the substrate and of the uncured material must be at least 3 °C above the dew point to prevent condensation, white discolouration or foam formation.

SUPPLY FORM

Component	Packaging	Quantity	Consistency	Appearance
A	Bucket	9,2kg	Liquid	Coloured
B	Bottle	0,8kg	Liquid	Clear transparent

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

Level the substrate with the appropriate Quartzline Cementitious SL or Quartzline Alpha SL levelling mortar. A flat and even surface is essential for the Cem Lava system.

Then apply Quartzline Primer CL. If necessary, speed up drying with a fan, so that under favourable conditions the next layer can be applied after approx. 1 hour.

Maintain existing expansion joints and fit profiles where necessary. If applicable, follow the start-up protocol for underfloor heating.

CONSUMPTION

The consumption of Lava Base is 800 – 1,000 g/m².

The consumption of Lava Top is 450 – 650 g/m².

MIXING

Mixing ratio: component A : component B = 83,6 : 16,4 (parts by weight).

Add component B completely to A and mix for at least 2 minutes with a Quartzline WK 90 mixing paddle at 300–400 RPM until homogeneous. Pour the mixture into a clean bucket and scrape all residue from the wall and bottom. Then mix intensively for another 1 minute.

APPLICATION

Apply Lava Base as evenly and smoothly as possible to grain thickness with a French trowel. After drying, sand with grit 40 and remove dust. Then apply Lava Top using the same method. The final structure and pattern are determined by the application method, sanding and layer thickness.

The unsealed floor is very sensitive to soiling; work only with shoes fitted with shoe covers. Tape over the wheels of the sanding machine to prevent track marks.

After drying, lightly sand Lava Top with a used (not new) grit 60 or 80 sanding pad and remove dust. Then finish with 2 layers of Quartzline Coating PU MG Matt.

CURING TIME

Pot life	30 min
Overcoatable	6 hours
Cured	24 hours

The times stated apply under normal conditions at 20 °C. Higher temperatures may shorten these times and lower temperatures may extend them.

REMARKS

- Always order the material for one project in a single batch.
- If desired, speed up drying with a fan. As soon as the layer feels dry it can be carefully walked on; bear in mind incomplete through-curing, which can make sanding more difficult.
- Protect freshly applied Lava Base from moisture, condensation and water for at least 24 hours.
- Do not load the floor within 24 hours and do not exceed the prescribed layer thickness.
- Protect the material during application from wind and direct sunlight. Temperature and humidity significantly affect application and drying time.
- After application, ensure sufficient ventilation. A dry substrate and good air circulation are essential for correct evaporation.

CLEANING / MAINTENANCE

For lasting preservation of the floor, contamination should be removed immediately. Clean the floor regularly with suitable cleaning agents and cleaning equipment. Use lukewarm water for this.

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.