

If "Antislip KFU" is needed, add it to the Coating 1K and mix for 30 seconds mechanically with a slow speed mixer and a Quartzline WK90 paddle..

To minimize air bubbles, avoid over mixing

System construction

Primer: Quartzline Primer Universal is used on both porous and non-porous substrates and has excellent adhesion properties on sealed surfaces and ceramic tiles.

When in doubt, always perform a preliminary adhesion test.

Topcoat: **Coating 1K**

Extra topcoat: **Coating 1K**

Consumption

Consumption of coating 1K Coloured on Primer Universal is 150 – 200 g/m².

All values are theoretical and depend on absorption, coarseness and evenness of the substrate and material loss, etc.

Consumption lower than 150 g/m² can result in application marks, gloss differences and irregularities in the surface of the coating.

Substrate preparation

The substrate must be sound and of sufficient compressive strength (minimum 25 N / mm²), with a minimum pull-off strength of 1,5 N/mm².

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, previous coatings and surface treatments.

If the surface is older than 48 hours, always perform a preliminary adhesion test.

Application conditions

Surface temperature: Minimum 10°C, maximum +30 °C

Ambient temperature: Minimum 10°C, maximum +30 °C

Relative air humidity: Maximum 75% R.H.

During hardening, humidity must not exceed 70% of the maximum RH and care must be taken to ensure that sufficient ventilation and fresh air can remove the excess moisture. If the air is saturated, the film **CANNOT** dry.

Dew point: Beware of condensation!

The temperature of the subfloor and non-hardened material must be at least 3°C higher than the dew point to prevent the risk of condensation formation or efflorescence on the finish.

Application

Touch dry @ 20 °C	When the surface looks mat
Foot traffic @ 20 °C	12 hours
Light traffic @ 20 °C	48 hours
Fully cured @ 20 °C	7 days

Check the R.H. and dew point before application.

Pour a small quantity of mixed material into a bucket and work the edges with a brush and a 10 cm microfiber roller. Do not work too far ahead to avoid drying and therefore caking.

Depending on the size of the application area, use either a 25 cm or preferably a 50 cm wide microfiber roller to apply the coating. Pour out a puddle and spread it from there.

Apply the coating quickly and evenly. Always work wet on wet.

While applying, try to keep draughts to a minimum. Keep windows and doors closed to avoid accelerated drying.

As soon as the coating has been applied and evenly spread, start ventilating to avoid saturating the air with water vapour.
If there is no ventilation and the coating remains moist for too long, surface imperfections and insufficient coating film-formation may occur.

In spaces that are difficult to ventilate, for example bathrooms, extra ventilation must be introduced using fans or blowers.

Make sure that no glossy patches are left behind, caused by absorption of the coating by the roller.

Remarks

Do not apply the Coating 1K on substrates with rising moisture/damp.

After application Quartzline Coating 1K must be protected from damp, condensation and water for at least 7 days (+20 °C).

Uneven or dirt covered substrates should not be treated with thin coatings. Both substrate and adjacent areas should always be thoroughly prepared and cleaned prior to application.

The incorrect assessment and treatment of cracks may lead to a reduced service life and recurrent cracking.

For exact colour matching, ensure that the Quartzline Coating 1K is applied in each area from the same control batch number.

If heating is required do not use gas, oil, paraffin or other fossil fuel heaters as they produce large quantities of both CO² and water vapour which may adversely affect the finish.
Only use electrically powered warm air blower systems when heating is needed.
Switch off underfloor heating during application and for the first 48 hours, after this period you may increase the temperature gradually.

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 how to safely handle, store and dispose 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.

The user of the products must test the product's suitability for the intended application and purpose. Quartzline reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.