

PRODUCT DATA SHEET

Reference: TDS02CU220F21

CEMENTITIOUS SL 2-20F



Quartzline Cementitious SL 2-20F is a cement-based, fiber-reinforced levelling compound for indoor levelling of concrete, sand-cement and tile substrates in layer thicknesses of 2 to 20 mm.

Cementitious SL 2-20F has low shrinkage and stress, fast curing, is easily pumpable and sandable after curing. Suitable for use on underfloor heating and in wet areas. Not suitable for use on anhydrite substrates or in industrial areas.

APPLICATION CONDITIONS:

Substrate temperature	Minimum 10°C, maximum 25°C
Ambient temperature	Minimum 10°C, maximum 25°C
Relative humidity	< 75% R.H.
Dew point	Beware of condensation

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

SUBSTRATE PREPARATION:

The substrate must be fully cured and structurally sound, free from loose particles, contaminants, cracks, bleeding and calcium carbonate layers. It must have a minimum load-bearing capacity of 25 N/mm² and a minimum adhesion strength of 1.5 N/mm².

Fill surface defects with Quartzline Cementitious MRP or Alpha MRP, depending on the type of substrate.

For concrete and sand-cement substrates, a maximum residual moisture content of 2.5% CM applies. For a residual moisture content of up to 6% CM, apply 2 coats of Quartzline Primer DPM moisture barrier, followed by one coat of Quartzline Primer GP.

Always use a primer. Use Quartzline Primer Universal for porous substrates and Quartzline Primer GP for non-porous substrates.

Switch off underfloor heating at least 48 hours before, during and after installation. For new-build floors with underfloor heating, follow a start-up and cooling protocol.

CONSUMPTION:

The consumption of Cementitious SL 2-20F is 1.6 kg/m² of powder per mm of layer thickness.

APPLICATION:

5.5 litres of water per 25-kilogram bag of powder.

Measure out 5.5 litres of water using a Collomix AQiX water dosing unit or a set of scales into a clean bucket. Add one bag of Cementitious SL 2-20F and mix for 3 minutes using a Quartzline DLX152 mixing paddle until a homogeneous mixture is achieved.

Pour the levelling compound onto the primed substrate and spread it with a trowel, notched squeegee or Swedish trowel until the desired layer thickness is achieved

CHARACTERISTICS:

Fiber-reinforced
Cement-based
Solvent-free
Polymer modified
Pumpable
Suitable for many purposes
Suitable for various after-treatments
Fast curing and drying
Self-levelling

TECHNICAL PROPERTIES:

Density ¹ (g/cm ³)	1.6
Compressive strength ² (N/mm ²)	> 25
Flexural strength ² (N/mm ²)	> 6

1 = ISO 2811-1/+ 23°C/50% R.H.

2 = ISO 196-1/@ 28 days/+ 23°C/50% R.H.

INFORMATION:

Form: 25 kg bag, powder, grey

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

CURING TIME:

Phase	Time (at 20°C)
Pot life	ca. 30 min
Walkable	ca. 3 hours
Floor covering ready (at 3 mm)	ca. 24 hours

*The curing time strongly depends on the applied layer thickness and conditions.



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IMPORTANT NOTES:

- Do not mix with other flooring products.
- Finish the floor within 7 days to prevent crack formation.
- The substrate must be well saturated so that water remains available for the hydration of the cement.
- Protect freshly applied Cementitious SL 2-20F from moisture, sunlight and draughts for at least 24 hours.
- Do not add any more water once the product has started to react.
- Cementitious SL 2-20F can be applied in damp areas.
- In the case of subsequent installations, additional mechanical pre-treatment may be required to remove any laitance.

LEGAL NOTICE:

The information and recommendations provided are based on Quartzline's current knowledge and experience regarding correct use 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 change product properties. Third-party property rights 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.