CEMENTITIOUS MRP

Quartzline Cementitious MRP is a cement-based repair mortar for the interior filling of deep grooves, holes and milled underfloor-heating channels, as well as the levelling of stair treads and small floor areas in layer thicknesses up to 50 mm.

Cementitious MRP is low in shrinkage and stress, non-flowing and fast-drying. Its fine structure makes it possible to feather out to zero millimetres and achieve a very smooth finish. Suitable for wet areas.



EMICODE EC 1 PLUS, licence 19977/16.09.24.

FEATURES

- Cement-based
- Applicable in wet areas
- Solvent-free
- Polymer-modified
- Non-slumping
- Quick to cover
- Very high adhesion and compressive strength
- Suitable for many purposes
- Suitable for various finishes
- Fast through-curing and drying

TECHNICAL PROPERTIES

Property	Unit	Value
Density[1]	g/cm³	1,4
Powder weight[2]	g/cm³	1,11

[1] ISO 2811-1 / +23 °C / 50% R.H [2] powder weight in the ready-to-use mortar

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	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 the risk of condensation, white efflorescence or a cement skin on the mortar surface.

SUPPLY FORM

Packaging	Consistency	Appearance
20 kg bag	Powder	Grey

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 fully cured and structurally sound, free from loose parts, contamination and bleeding, with a minimum load-bearing capacity of 25 N/mm² and a minimum adhesion strength of 1.5 N/mm².

Remove weak top layers, cement skin, calcium carbonate skin and other layers that reduce adhesion by sanding or another suitable mechanical pre-treatment.

For concrete and sand-cement substrates, a maximum residual moisture content of 2.5% CM applies. At 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 closed 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 cool-down protocol.

CONSUMPTION

Consumption depends on the depth of the holes and other irregularities.

MIXING

5.2 litres of water per 20-kilogram bag of powder.

Dose 5.2 litres of water into a clean bucket using a Collomix AQiX water metering device or a scale. Add one bag of Cementitious MRP and mix for three minutes with a Quartzline DLX152 mixing paddle until homogeneous.

APPLICATION

Apply with a trowel using pushing and lightly smoothing movements. Fill cracks and holes completely until the substrate is filled. Once the mortar has set, finish the surface with a clean, slightly damp trowel.

CURING TIME

Pot life	approx. 15 – 20 min
Overcoatable	approx. 24 hours

The times stated apply under normal conditions at 20 °C and depend strongly on the applied layer thickness. Higher temperatures may shorten these times and lower temperatures may extend them.

REMARKS

- Do not mix with other floor products.
- Finish within 7 days to prevent cracking.
- Do not add more water than the prescribed amount.
- Protect freshly applied Cementitious MRP from moisture, sunlight and draughts for at least 24 hours.
- Do not add any more water once the product begins to react.
- After curing, sand Cementitious MRP with a sanding mesh (grit 180) before applying the next finish.

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.