Heating protocol for underfloorheating

Heating protocol for applying Castle Stones on floors with underfloorheating.

For a good heat distribution of an underfloor heating with a tiled floor, it is necessary that the mortar thickness above the underfloor heating pipes is at least 30 mm.

When installing floor pipes (*such as hot water and supply of central heating pipes*), where the water temperature can be higher than 40 ° C, it must be jacketed and fitted with a so-called thermal jacket pipe.

A cement screed must be at least 28 days old and may have a maximum Residual moisture percentage of 1.8% CM.

A calcium sulphate bonded or anhydrite screed floor must be at least 14 days old and applied to a damp-proof layer and must have a residual moisture percentage of maximum 0.3% CM when using underfloor heating, and without floor heating a residual moisture percentage of maximum 0 .5% CM measured according to the calcium carbide measurement.

Before starting the (tile) work, these screeds must be heated using a heating protocol, whereby the maximum temperature of + 40 ° C must not be exceeded.

Increase the heating by 5 ° C per day and continue this heating until the maximum water temperature is reached. The water temperature must be read on the heating system (*not on the room thermostat!*) And controlled via the thermostat knob on the underfloor heating manifold.

Maintain this maximum temperature for at least 24 hours per cm of floor thickness. Example: with a screed thickness of 6 cm, maintain the maximum temperature for at least 6 days.

After this period, reduce the water temperature by 5 ° C per day. The warm-up cool-down procedure will take at least 10 days. If the system can also be used as floor cooling, the water temperature must be reduced to a minimum. (approx. 15 ° C)

Temperature of the surface when installing the floor tiles may not exceed + 20 ° C.

For bonding tiles and natural stone to floors with underfloor heating, use one of the Sopro Products below. (for a no-obligation advice mail to: via info@sopro.com)