

# MR 1200 Marble Heating Panel Test

## Assignment:

The purpose of this test is to verify the time in which a cold marble panel is warmed up to the maximum temperature and the time of subsequent drop of temperature to the ambient temperature.

## Measuring Conditions:

Measuring was made in a test room where the ambient temperature was maintained at 20°C by a room thermostat. A marble panel type MR of 1200 W input was tested. Temperature was measured and recorded by a two-channel measuring device Commeter TZ2, one probe of which was situated in the middle of the panel and the other probe scanned temperature in the centre of the test room, in the height of 1.5 m.

## Evaluation:

The results of measuring are shown in the attached graph. It is evident that the panel warms up from the ambient temperature to the maximum temperature in approx. 90 minutes. The maximum temperature fell down to the ambient temperature in approx. 5 hours, which proves the very good thermal lag of marble. The maximum panel surface temperature was 82 °C. The average surface temperature was around 77 °C.

