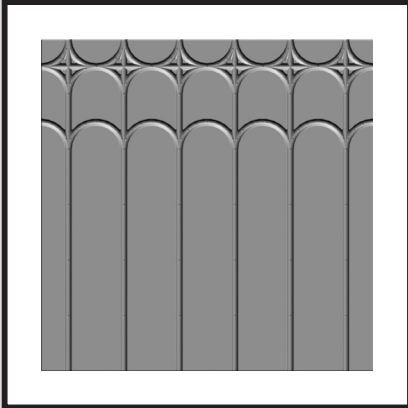


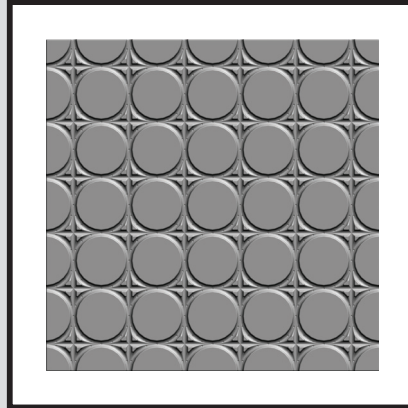
**Patent
Pending**

Underfloor heating concrete panel 60x60cm

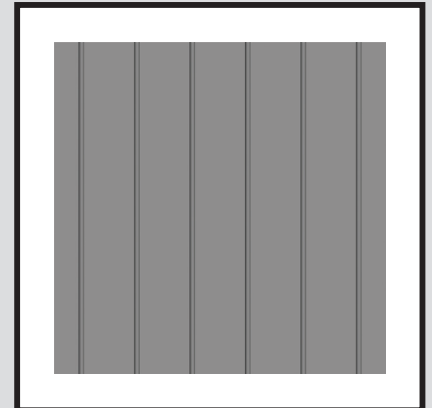
Semi-circular concrete panel



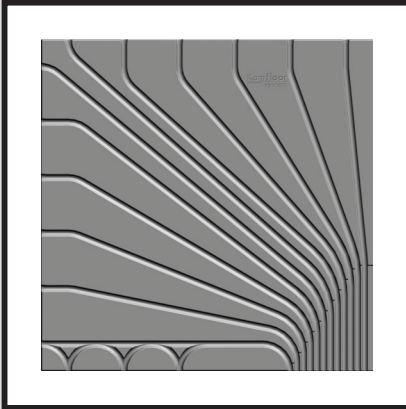
Circular concrete panel



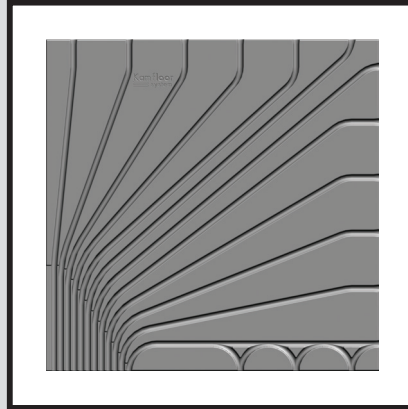
Horizontal concrete panel



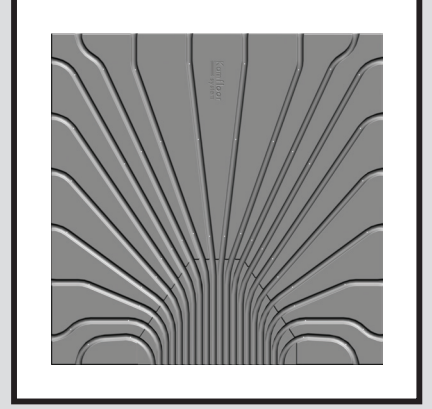
Concrete panel of six circuits left



Concrete panel of six circuits right

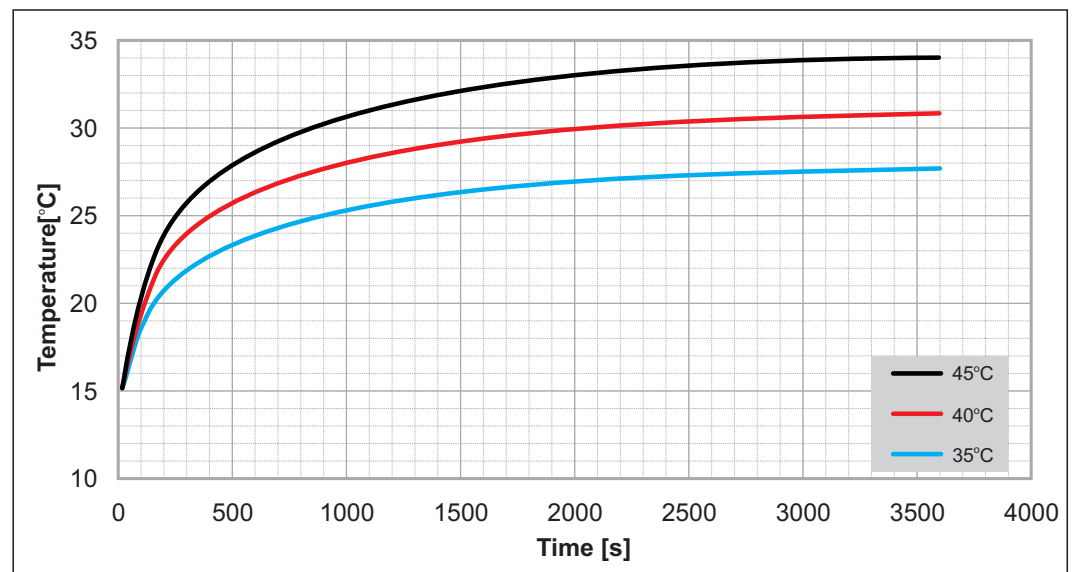


Concrete panel of ten circuits



Under Floor heating concrete panel heat transfer behavior

Variation of ceramic tile maximum temperature over time, for the three cases examined scenarios of inlet water temperature



The measurement of concrete panel

**Kamfloor
system**

have been conducted at the Aristotle University of Thessaloniki



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UNIVERSITY
OF THESSALONIKI

Compression Strength with ceramic tile on top 5.25kN applied on a 250x250 mm (0.83MPa)

Bending Strength three-point bending at a span length of 440 mm

Horizontal pattern: 5.48 kN (3.41MPa) • Circular pattern: 5.01 kN (3.12MPa)