

stone tiles on heated flooring



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Heated flooring Definition

Heated flooring consists of electric cables, wire or piping circulating hot water, which are encased in a screed or concrete slab.

Reference documents

• Heating systems

- Technical Notice of the heating system.
- DTU 65-7 and 65-8.
- CSTB Technical Specifications Schedule (CPT) No. 2908 of September 1996 and modification n°1 of CPT n°3037 of April 1998.
- Information Notice n°1 of CPT n°3308 (Dec-00)

• Stone flooring

- DTU 52.1 (NF P 61.202, Parts 1 and 2) for sealed flooring.
- CPT n° 3267 for bonded flooring.
- XP B 10-601.

Precautions to be respected

In order to avoid problems related to the heated flooring system, we recommend that the following instructions be followed:

- Minimum screed drying time: 2 months, with the heated flooring placed into service the 2nd month. The support must be perfectly dry when stone laying operations begin.
- Empty or resilient peripheral joints, at least 5 mm wide.
- Screed expansion joints respected in the stone flooring.
- Dividing joints limit surface areas to a maximum of 25 m² (through the entire thickness of both the stone and the mortar).
- Bond breaking by means of polyethylene sheeting (150 µm) in the case of sealed flooring on a screed of at least 6 months old (including peripheral upsweeps).
- Encasing heating elements (piping or cables) in the stone's fixing mortar is prohibited.