

Dry underfloor heating

Dry underfloor heating is a water-based heating solution where heating pipes are placed in pre-formed grooves within system boards. Thanks to its lightweight and low-profile design, it is an excellent choice for comprehensive renovations or modernizing individual rooms. One of its key advantages is the complete elimination of the need for a concrete screed. This significantly reduces installation time, allowing the heated space to be used almost immediately after setup. Additionally, the system heats up and cools down quickly, making it highly responsive to thermostat adjustments. This ensures precise temperature control in each room and helps optimize energy consumption.



System boards and components > dry (screedless) underfloor heating

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SYSTEM BOARDS WITH FULL-SURFACE ALUMINIUM FOIL COATING

The system boards made of high-density, compression-resistant expanded polystyrene (EPS) serve as the supporting element for underfloor heating pipes. The boards are laminated with 100-200 micron aluminium layer, which acts as a heat sink, transferring heat from the pipe surface. It distributes heat evenly across the board surface to ensure optimal thermal comfort.

Key benefits

- Screedless system – solution for renovated rooms where screed cannot be applied
- Lightweight construction
- Great compressive strength
- Low profile (complex system starts with 20 mm)
- Quick installation time, where the system is fully ready to immediate usage
- Thermal inertia reduced to a minimum causes faster system response and responsiveness to control

System specifications

Construction	dry underfloor heating (screedless)
Applications	Can be used anywhere where screed installation is not feasible. In buildings requiring low floor profile and lightweight construction solutions: ▪ modular and timber frame buildings ▪ new constructions ▪ renovations ▪ residential ▪ commercial
Material	Expanded polystyrene (EPS) with full-surface aluminium foil coating

