



hydronic floor heating in-slab

Hydronic in-slab heating is suitable for large areas (80 m²+) where the slab is used as a heat storage. In-slab heating has a slow response time and can take 24-48 hours to heat, depending on slab thickness and insulation.

PIPE TECHNOLOGY

Rehau PEX pipe is specific for under floor heating. It is a cross-linked polyethylene pipe with oxygen barrier to prevent corrosion.

HEAT OUTPUT

In-slab hydronic heating aims for a heat output of 100-120 W/m². A combination of flow and temperature is balanced to suit the heat load requirement of each room.



INSTALLATION

The PEX hydronic floor heating pipe is installed before the slab is poured typically on top, but also under the top steel. The pipe is attached to either a mesh or reinforcing rods. It is advised to insulate under and around the slab to prevent heat loss. All pipe returns to a central manifold.

Installations with multiply levels require multiply manifolds (one per level), all connecting back to your nominated heat source.



SPECIAL REQUIREMENTS

The PEX hydronic floor heating pipe can be installed across expansion joints with the correct installation method.

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