

Lo-Float

LOW-PROFILE WATER UNDERFLOOR HEATING

35 mm
Nominal system build-up
Excludes floor finish and structural floor.

150 mm
Nominal pipe centres

Lo-Float combines pre-routed XPS insulation panels with water-carrying PE-RT pipework and a compatible levelling layer. Intended for low-profile floor constructions in renovations, extensions and new builds, subject to project-specific suitability.

01 / SYSTEM SPECIFICATION

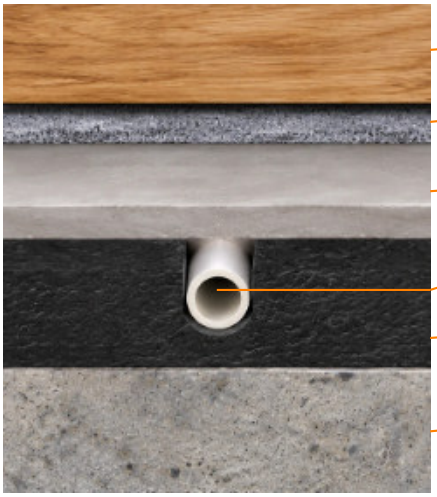
Insulation panel	25 mm routed XPS; nominal compressive strength 300 kPa
XPS conductivity	0.030 W/m·K (reference value; verify supplier data)
Heating pipe	16 × 2 mm PE-RT; 12 mm nominal internal diameter
Pipe pattern	Serpentine (single meander) only
Levelling layer	10 mm nominal above panels; subject to manufacturer approval
Subfloor	Sound, level, dry structural substrate; concrete reference

02 / APPLICATIONS & FLOOR FINISHES

Suitable finishes may include ceramic or porcelain tile, engineered wood, laminate, LVT/vinyl and carpet with underlay. Confirm the complete flooring assembly, thermal resistance, adhesives and temperature limits with relevant manufacturers. For carpet and underlay, a combined resistance below 2.5 tog is generally preferable; project-specific heat output and manufacturer limits govern suitability.

Beneath the surface.

03 / CONSTRUCTION & TECHNICAL GUIDANCE



Illustrative section, not a construction drawing. Nominal 35 mm excludes the floor finish, any additional underlay or adhesive, and the structural floor.

04 / INSTALLATION & DESIGN

For the full, comprehensive installation method, refer to the current HydroHeat Lo-Float Installation Guide and the project-specific pipe layout. This datasheet is a product overview and is not a substitute for the installation guide or manufacturer instructions.

Self-levelling compound & primer: Use products specifically approved by the compound manufacturer for application over routed XPS insulation panels, water underfloor heating and the specified thickness. HydroHeat does not supply these products. Selection, preparation, application and curing must follow the relevant manufacturer instructions.

05 / PERFORMANCE & LIMITATIONS

Heat output depends on water temperatures, flow rates, floor covering resistance, insulation and installation quality. Project-specific heat loss and system design calculations are required. No tested or certified heat output is declared in this datasheet. Observe applicable standards and the lowest relevant flooring, adhesive and underlay temperature limits.

06 / WARRANTY & SUPPORT

Individual products and components carry warranties specific to their supplying manufacturers. Warranty periods, coverage and conditions vary by product. No separate system-wide warranty is offered for Lo-Float. Contact HydroHeat for current component warranty details, quotations and technical support.

Product specifications should be checked against current supplier documentation. This datasheet is not a performance certification or project-specific design. Nothing in this guidance restricts liability or statutory rights where prohibited by law.