

SUSPENDED FLOOR CONSTRUCTION

MERCURY HALCYON - EPS 150 WITH HEAT DIFFUSION PLATES



UNDERFLOORHEATING
DESIGN | SUPPLY | INSTALLATION

MERCURY HALCYON is a system designed to be installed within timber joisted or battened floor constructions. The insulation panel is 50mm in depth and designed to be fixed to support brackets or battens mounted to joists. This allows the panel to sit at the same level as the top of the joists to enable the UFH pipes to be directly beneath the floor above.

The EPS panels feature heat emission plates and pre-routed pipe channels, making this a fast and easy system to install, saving you time and money!

In addition, the pre-fitted polyethylene film protects the MERCURY 16mm UFH pipe from dirt and debris, enabling better contact between the pipe and the aluminium heat diffuser. It also prevents the floor ticking caused by the diffuser's expansion and contraction.

HALCYON offers a fast response to heat thanks to the floor structure having a low thermal mass and fixed pipe centres result in a consistent thermal output.

TOP TIPS!

- The area should be decked out immediately after completing installation to protect the system. Temporary sheets of ply are acceptable. If necessary, the floor can be marked to show the pathway of the pipe runs to assist the floor layer fixing down the floor.
- The pipe and manifold should be pressure tested following installation with the floor deck laid shortly after the underfloor heating installation.



Base Material:	EPS 150 with heat diffusion plates and polyethylene film
Thermal conductivity:	0.33W/mK
Compressive strength:	150kN/m ²
Panel Dimensions:	2400 x 340mm or 2400 x 540mm
Panel Thickness:	50mm

- 1 Floor covering - laminate, vinyl, carpet, tiles
- 2 18mm-22mm structural floor deck
- 3 50mm EPS 150 with heat diffusion plates
- 4 MERCURY 16mm UFH pipe
- 5 Timber joists

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