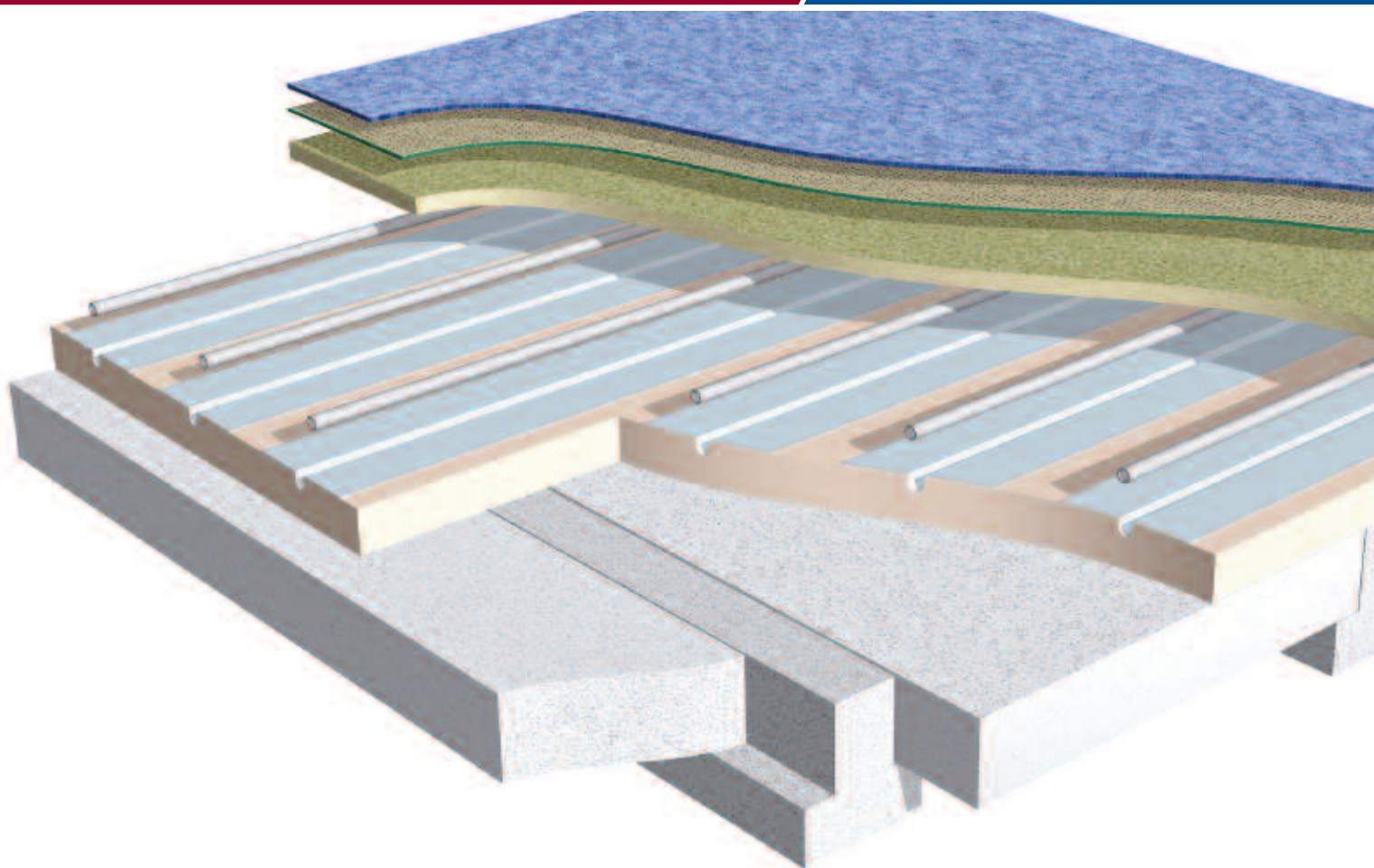


Underfloor Heating Foiled Polystyrene

Data Sheet



Insulation panels with pre-cut channels for pipe, and pre-fitted heat diffusers. For placement over timber joisted or battened floor constructions, or for floating floors.

Description

- Each main insulation panel has machined channels, with pre-determined spacing, to grip the pipe
- Main panels also have factory-fitted aluminium foil heat diffusers and a protective polyethylene film cover
- Each end panel has machined channels to secure and insulate looped pipe turns and Flow and Return pipe runs

Applications

- System for timber floor constructions (joist or batten) or fully floating floors
- From small extensions to new-build houses, flats and barn conversions

Underfloor Heating Foiled Polystyrene

Data Sheet

System Features

- Heat diffusers are pre-fitted
- Pipe run channels match up with complementary end panel loops
- Channels at fixed centres to ensure consistent pipe spacing and performance
- Low thermal mass floor, so fast response to heating changes

Dimensions

- Supplied as
 - For floating floors:
2400 x 600 x 50mm foiled panels **25UH224**
 - For looped returns:
2400 x 600 x 50mm end panels **25UH221**
 - For joisted or battened floors:
2400 x 340 x 50mm foiled panels **30UH286**
 - For looped returns
600 x 340 x 50mm single loop return end panels **30UH289**
- Each incorporating machined channels for 15mm OSMA UFH pipe
- Pipe spacing at 200mm centres

Ancillary Components

- 15mm OSMA UFH Pipe:
 - 50m = **15HC160**
 - 70m = **15HC070**
 - 90m = **15HC090**
 - 100m = **15HC180**
- Control Unit, Manifold and Room Thermostat(s)
OR
Single Room Controller

For pipe fixing near manifold

- OSMA Curved Pipe Supports **15UH239**
- OSMA Pipe Clamps **15UH236**

Installation Principles

The main stages are:

- 1** End panels placed
- 2** Straight panels laid
- 3** OSMA UFH Pipe pressed into channels
- 4** Pressure testing of pipe circuit
- 5** Connect to Manifold
- 6** Floor deck installed

Pre-stage 1 for joisted floors:

'L' brackets **15UH699** fixed to joist sides to support foiled panels

Pre-stage 1 for battened floors:

First batten placed against wall (then alternated with panels)

Pre-stage 3 for joisted or battened floors:

Joists/battens notched or drilled to create pipe route to next bay (check building regulations)

For detailed installation procedures,

visit www.osmaufh.co.uk

or call **01392 444122** to request an

OSMA UFH Pocket Installation Guide

Key Benefits

- Easy, fast installation and pipe placement
- Insulation and UFH pipe base installed simultaneously
- Fixed pipe centres ensure consistency of thermal output
- Separate diffuser plates not required
- Pipe in full contact with overlying floor deck
- Polyethylene film helps acoustic performance and prevents floor ticking

Need more information and assistance?

Ask for straightforward guidance from people who really understand UFH

Call us on: **01392 444122**

go to: **www.genius-ufh.co.uk**



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