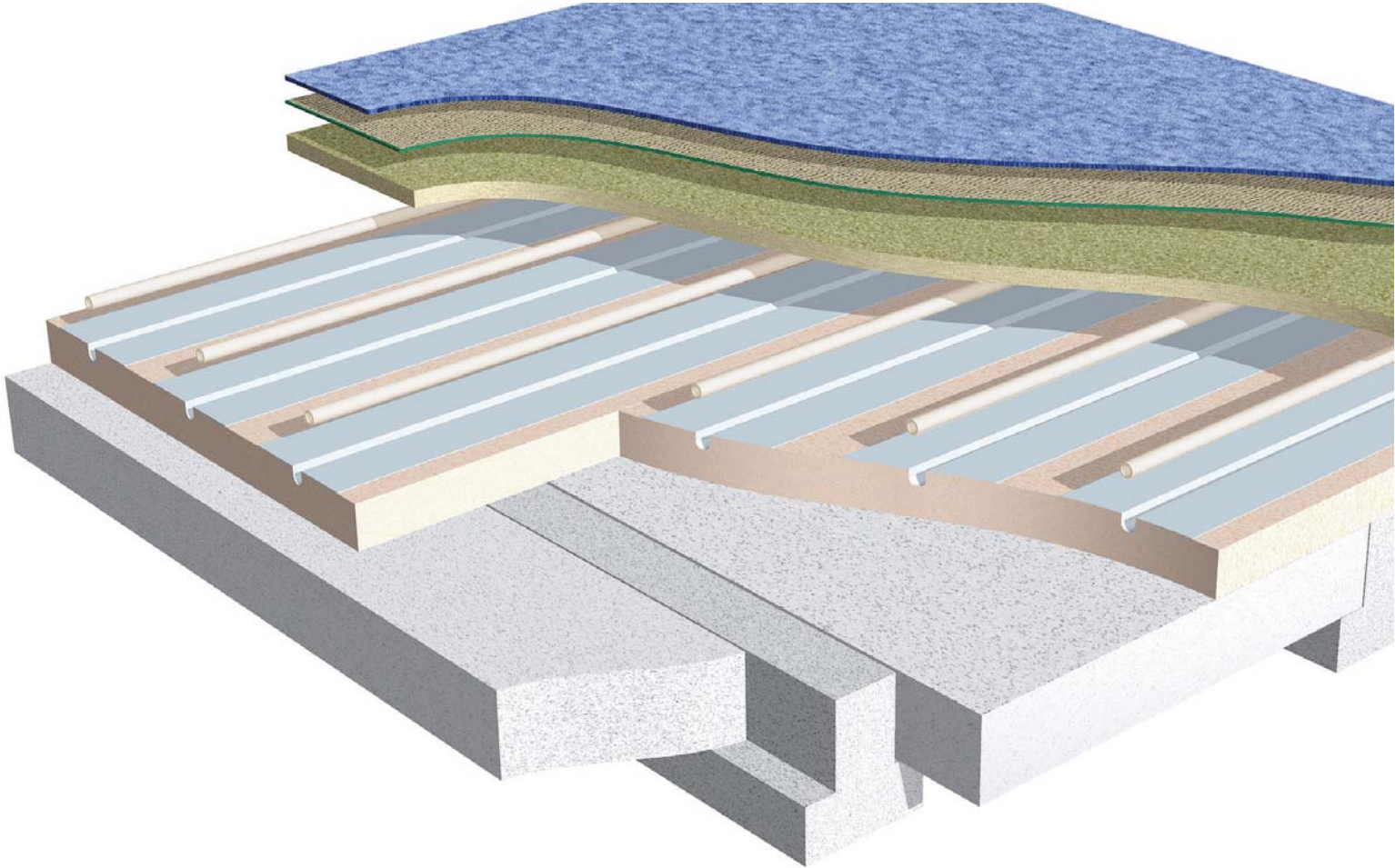


## Underfloor Heating Foiled Polystyrene

## Data Sheet



For floating, battened and joisted floors. Insulation panels with pre-cut channels for pipe, and pre-fitted heat diffusers.

### 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 to allow expansion
- 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
- Ideal for small extensions, 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
- Protective polyethene film cover allows the expansion of metal diffuser plates

#### 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 16mm UFH pipe
- Pipe spacing at 200mm centres

#### Ancillary Components

- 16mm UFH Pipe:
  - 25m = **16UH025**
  - 40m = **16UH040**
  - 50m = **16UH050**
  - 60m = **16UH060**
  - 70m = **16UH070**
  - 80m = **16UH080**
  - 90m = **16UH090**
  - 100m = **16UH100**
  - 110m = **16UH110**
  - 120m = **16UH120**
- Control Unit, Manifold and Room Thermostat(s)  
OR Single Room Controller
- For pipe fixing near manifold**
- Curved Pipe Supports **15UH239**
- Pipe Clamps **15UH236**

#### Installation Principles

- The main stages are:**
- 1** End panels placed
- 2** Straight panels laid
- 3** 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

#### Installation Principles (cont)

- 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 procedure, please call 01392 444122*

#### 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
- Available in different thicknesses via a bespoke design service

Need more information and assistance?  
Ask for straightforward guidance from people who really understand UFH  
Call us on: **01392 444122**

visit **www.thermoboard.co.uk**  
or call **01249 766333** to request further information on Thermoboard underfloor heating



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