

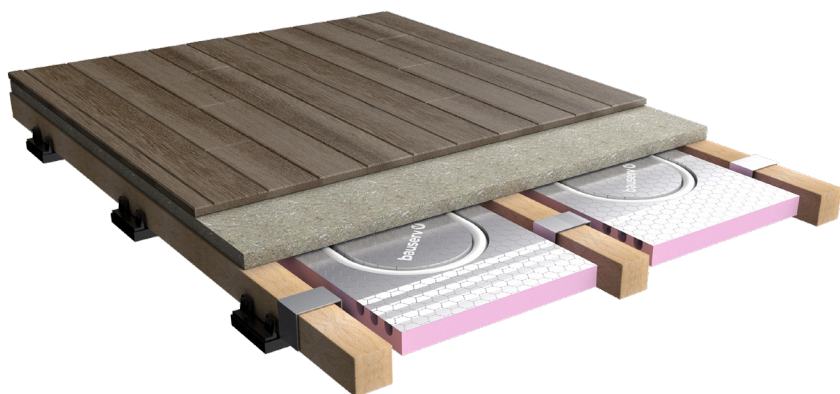
BAUHEX: FOIL FACED INSULATION OVERLAY

Structural heating panel

PRODUCT DESCRIPTION

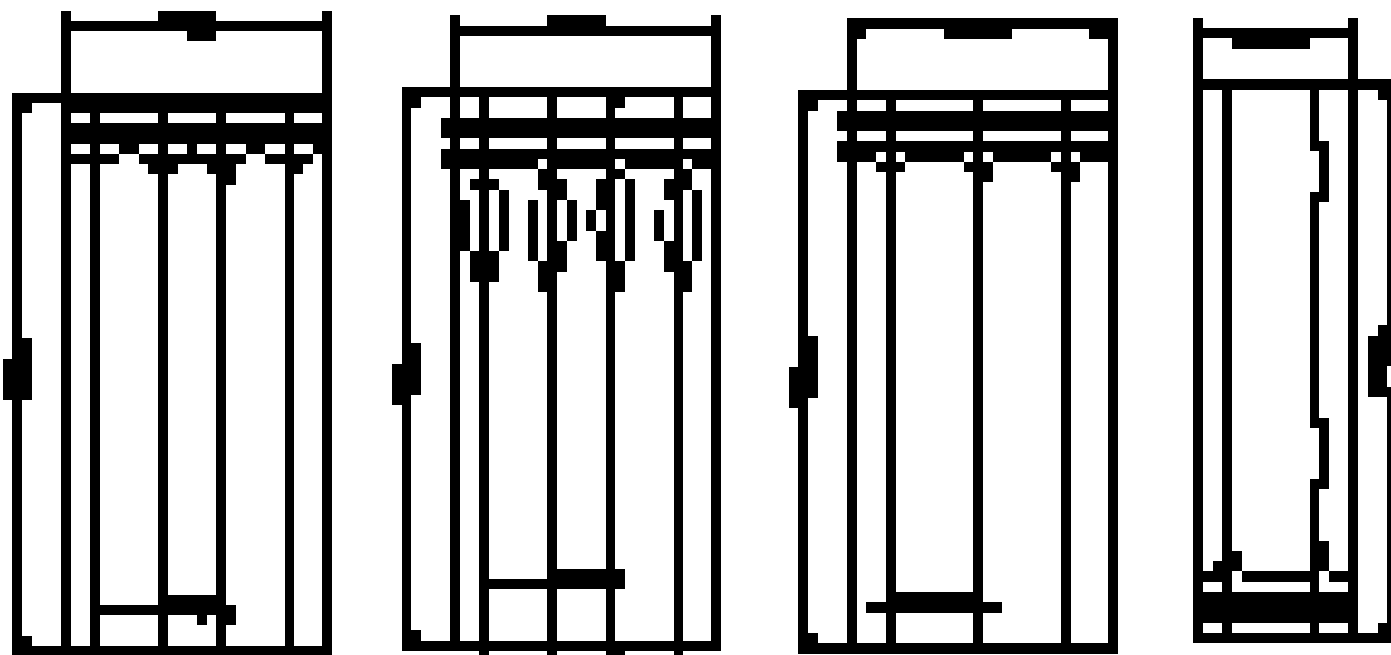
The BAUFOIL panel system forms part of our comprehensive range of underfloor heating panel systems. This low-profile, low weight, adhesive system is ideal for retro-fit, acoustic and new build installation, particularly where floor build-up height and weight is at a premium.

The panel insulation is pre-grooved using high quality engineering tools, a foil layer reflective layer is then heat-adhered to produce an effective, high output underfloor heating panel solution. This can be used with our universal MULITOP product to give a high heat output floor finish with in-built decoupling layer ready to accept carpet, wood or tiles directly or even vinyl with additional preparation work using the RS-FLEX levelling compound in line with the vinyl manufacturers requirements.



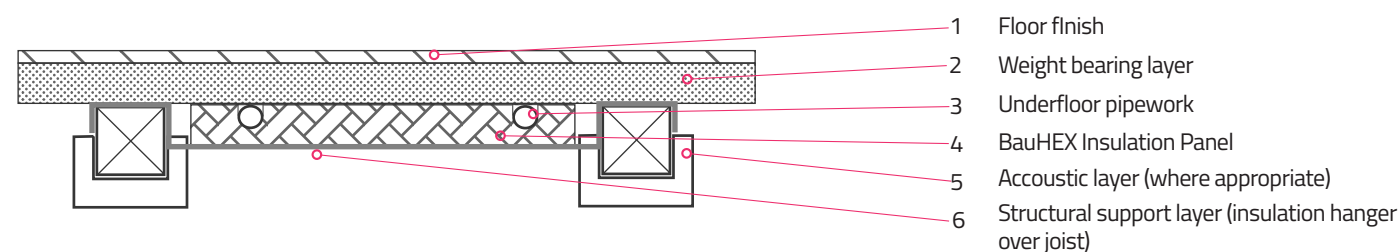
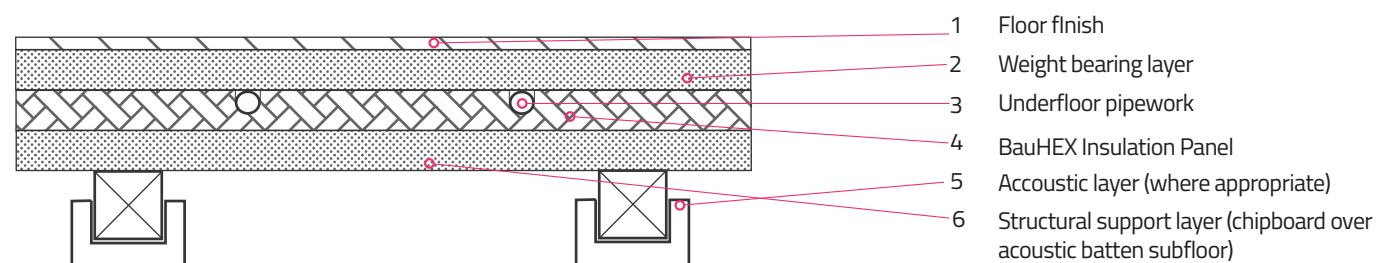
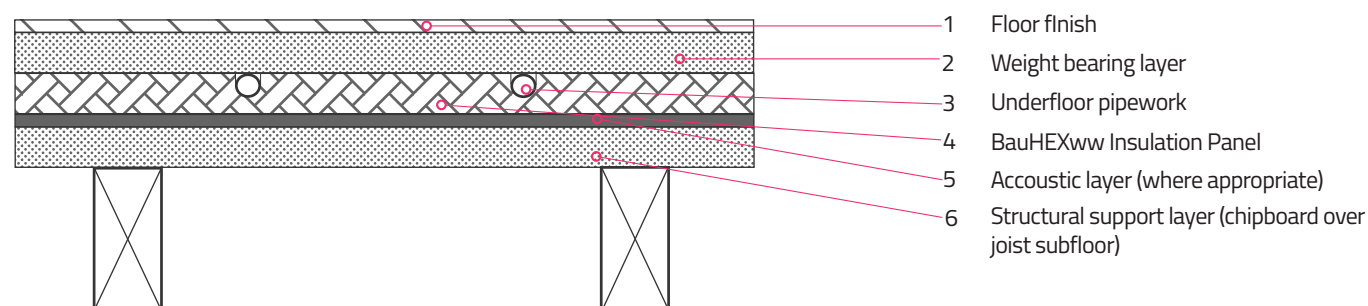
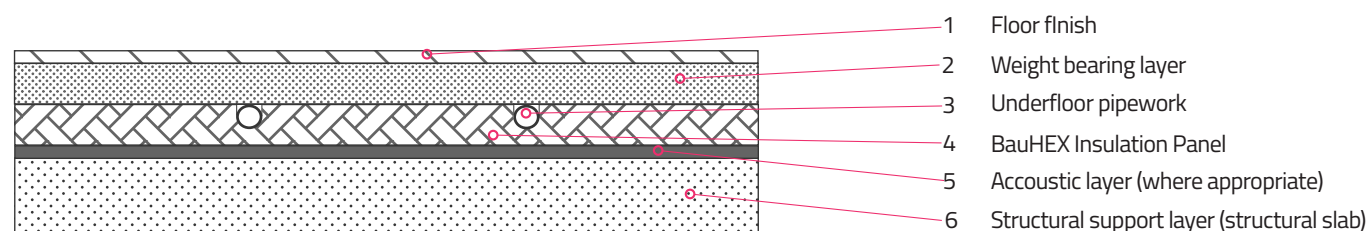
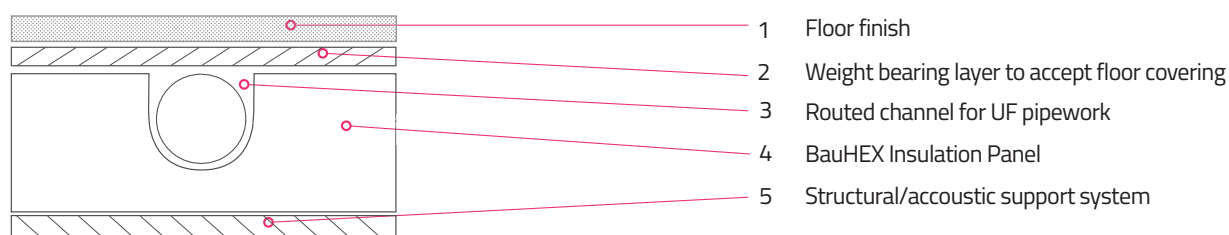
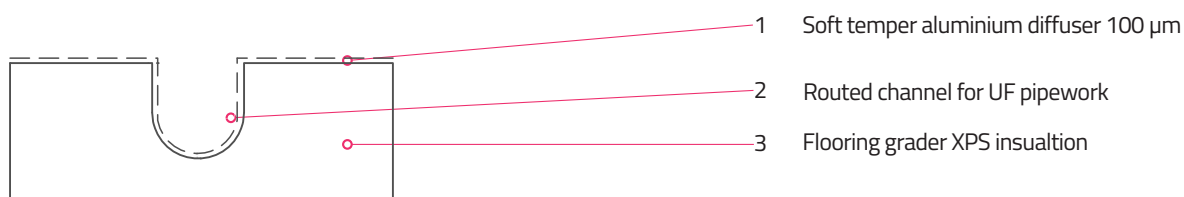
DIMENSIONS

(Not to scale)



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PRODUCT SECTIONS

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TECHNICAL DATA

CONSTRUCTION TYPE	BS1264 Type B
WEIGHT BEARING LAYER	Bauserv MultiTOP, floorboard(by others) or BAUTHERM screed
WEIGHT BEARING LAYER THICKNESS	MultiTOP: 0.16 W/mK CPBTOP: 0.39 W/mk Screed replacement panel: 0.38 W/mk Chipboard: 0.14 W/mK Screed: 1.4 – 2.3 W/mK
WEIGHT BEARING LAYER CONDUCTIVITY	4mm MultiTOP; 9-15mm CPBTOP; 18mm board; 30mm BAUTHERM screed
PIPE FIXING METHOD	Grooved channels for 12, 16, 16.5 pipework
THERMAL DIFFUSION LAYER THICKNESS	200 µm AL HEX on surface
THERMAL DIFFUSION LAYER CONDUCTIVITY	200 W/mK
THERMAL INSULATION TYPE	XPS
THERMAL INSULATION CONDUCTIVITY	0.033 W/mK
THERMAL INSULATION GRADE	200 kPa for 25; 30 and 50mm 300 kPa for 18 ad 20mm
ACOUSTIC LAYER	Optional
INSULATION PANEL FIXING	18; 20; 25mm Factory Applied Adhesive Layer to Insulation Panel reinforced with screws depending on structural support where appropriate 20; 25; 30; 50mm available without Adhesive when used with floorboards >15mm
STRUCTURAL SUPPORT SYSTEM	Structural floorboards over support system by others Structural timber boards over floor joists by others Structural concrete (slab or beam) by others
PANEL DIMENSION	1200 x 600mm
PANEL AVAILABLE THICKNESS	18, 20, 25, 30, 50mm
SYSTEM WEIGHT	From 2.0 kg/m ² with water, depending on weight bearing layer
RECYCLABLE	Yes

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HEATING PERFORMANCE DRT = 20°C, 1.0 Tog covering per BS1264-3

BauHEX using 4mm 0.16 W/mK MULTITOP

Pipe size	Pipe spacing	Heat output* W/m ² @ 60/50 1.0 tog	Heat output* W/m ² @ 55/45 1.0 tog	Heat output* W/m ² @ 45/38 1.0 tog	Heat output* W/m ² @ 35/29 1.0 tog
16 x 2	150	104	89	63	34
16 x 2	200	94	80	57	30

* Heat Outputs:

1. Based on effective heated foil area.
2. Based on design room temperature of 21°C.
3. Shown using a 1.0 TOG default floor covering per BS1264-3.
4. Will increase/decrease depending on the floor covering used.
5. Will vary on final floor construction installed.

BauHEX using 18mm 0.39W/mK CPBTOP

Pipe size	Pipe spacing	Heat output* W/m ² @ 60/50 1.0 tog	Heat output* W/m ² @ 55/45 1.0 tog	Heat output* W/m ² @ 45/38 1.0 tog	Heat output* W/m ² @ 35/29 1.0 tog
16 x 2	150	98	84	59	32
16 x 2	200	88	75	53	29

BauHEX using 18mm 0.38 W/mK GYPSUM FIBRE anel

Pipe size	Pipe spacing	Heat output* W/m ² @ 60/50 1.0 tog	Heat output* W/m ² @ 55/45 1.0 tog	Heat output* W/m ² @ 45/38 1.0 tog	Heat output* W/m ² @ 35/29 1.0 tog
16 x 2	150	94	80	57	30
16 x 2	200	85	73	51	28

BauHEX using 18mm 0.13 W/mK chipboard panel

Pipe size	Pipe spacing	Heat output* W/m ² @ 60/50 1.0 tog	Heat output* W/m ² @ 55/45 1.0 tog	Heat output* W/m ² @ 45/38 1.0 tog	Heat output* W/m ² @ 35/29 1.0 tog
16 x 2	150	70	60	42	23
16 x 2	200	63	54	38	20

BauHEX using 30mm 2.3 W/mK BAUTHERM Screed

Pipe size	Pipe spacing	Heat output* W/m ² @ 60/50 1.0 tog	Heat output* W/m ² @ 55/45 1.0 tog	Heat output* W/m ² @ 45/38 1.0 tog	Heat output* W/m ² @ 35/29 1.0 tog
16 x 2	150	111	95	67	36
16 x 2	200	101	86	61	33

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