



System overview

The AmbiSoundDeck system provides the ultimate combination of acoustics, insulation and underfloor heating in one product, reducing labour time and improving the quality of the installation on site. It provides a low-profile underfloor heating system, incorporates high-density XPS thermal insulation, includes a high-performance acoustic detail and can be directly tiled over - truly unique within the underfloor heating market.

The thickness of the panel is 18 mm. The face of the panel is cement-coated, making it rigid and durable. It's grooved to take 12 mm UFH pipework, with a radius that returns grooved into each panel, making the panel universal. Additional pipework channels can easily be routed/grooved into the panel.

Benefits

- The AmbiSoundDeck includes an 18 mm high-density XPS insulation panel.
- AmbiSoundDeck is designed and tested to reduce through-the-floor noise of 21dB.
- Installation is quick and efficient, making your time on-site short and sweet.

Levelling compound

AmbiSoundDeck must be laid onto a flat and level subfloor, which can either be concrete or timber-based. The AmbiSoundDeck panel should be bonded down using a combed layer of flexible tile adhesive (mechanical fixings should not be used as this will bridge the acoustic detail).

Tiled/hard-wearing finishes can be laid directly over this system. The floor construction should be fully bonded. Other finishes, such as carpets, vinyl, or wood, will require an intermediate layer prior to the finish being installed. We recommend using 6 mm of AmbiFibre levelling compound.



Component	Product	Code	Quantities required
	12 mm UFH pipe	39000	8 linear metres of pipe per m ² of heated area
	Manifold	41320	Depends on heated area - normally approx. 1 port per 13 m ² of heated area
	Manifold couplings	42189	For 12 mm Ambiente pipe
	Isolating ball valves	42050	1 pair (sold in pairs) per manifold
	Manifold tag	46755	1 per manifold
	Pumpset/blender unit	41437	1 per manifold
	Pipe bends	41040	2 per port (used to form a neat bend in the pipe beneath the manifold)
	AmbiSoundDeck panels	46177	1.2 x 0.6 m - 18 mm thick
	AmbiSoundDeck Highway panels	46178	1.2 x 0.6 m - 18 mm thick
	AmbiSoundDeck Corner panels	46179	1.2 x 0.6 m - 18 mm thick
	Universal Primer	47200	The colour of the Universal Primer is blue
	AmbiFibre Pro	47520	Thicknesses from 3 mm to 40 mm