

# GUIDE HEAT OUTPUTS TABLE FOR AMBIENTE UNDERFLOOR HEATING SYSTEMS

**ambiente**<sup>®</sup>

more than underfloor

## UFH HEAT OUTPUTS

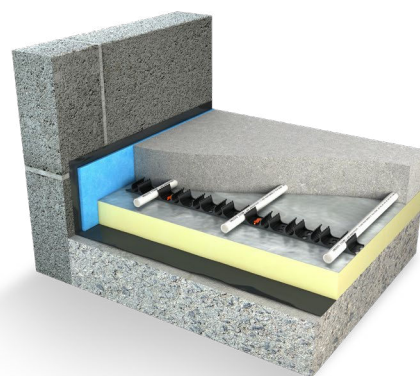
The information shown in the table below is intended to illustrate some guide output figures for the more common Ambiente underfloor heating systems. Data from recognised industry sources has been used to generate the figures. All factors should be taken into account when measuring heat outputs against heat losses (Assumes Room Design Temp. of 21 Degrees).

**\*Please note: Any of the systems below that utilise a structural board installed over the UFH system, assume an 18mm Ply/Chipboard. Using a cement-based alternative can increase heat outputs by up to 30%.**

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### Screed Floor System - AmbiClip/AmbiTak/AmbiCastellated/AmbiDuoClip/AmbiStructural

Pipe Spacing	Mean Flow Temperature	Output - Tiles/ Stone (w/m <sup>2</sup> )	Output - Carpet floor covering (w/m <sup>2</sup> )	Output - Timber floor covering (w/m <sup>2</sup> )
150	50	86	79	65
150	45	86	65	65
150	40	86	51	51
200	50	86	72	65
200	45	86	60	60
200	40	84	47	47
250	50	86	67	65
250	45	86	55	55
250	40	74	43	43
300	50	86	61	61
300	45	82	50	50
300	40	65	40	40



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### Suspended Floor System - AmbiPlate 20/30/80

(assumes use of 18mm chipboard/plywood as structural sub-floor)

Pipe Spacing	Mean Flow Temperature	Output - Tiles/ Stone (w/m <sup>2</sup> )	Output - 1 tog floor covering resistance (w/m <sup>2</sup> )	Output - Timber floor covering (w/m <sup>2</sup> )
150	50	86	61	61
150	45	72	50	50
150	40	57	40	40
200	50	79	55	55
200	45	65	45	45
200	40	52	36	36



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## Structural Floor System - AmbiChipboard

(assumes use of 6mm chipboard/plywood as intermediate floor layer)

Pipe Spacing	Mean Flow Temperature	Output - Tiles/ Stone (w/m <sup>2</sup> )	Output - 1 tog floor covering resistance & Timber floor covering (w/m <sup>2</sup> )
150	50	47	41
150	45	39	32
150	40	29	24

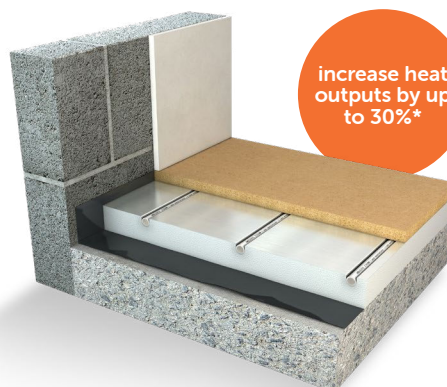


increase heat outputs by up to 30%\*

## Floating Floor System - AmbiFloat 10/20/30

(assumes use of 18mm chipboard/plywood as structural sub-floor)

Pipe Spacing	Mean Flow Temperature	Output - Tiles/ Stone (w/m <sup>2</sup> )	Output - 1 tog floor covering resistance & Timber floor covering (w/m <sup>2</sup> )
150	50	86	61
150	45	84	51
150	40	66	40
200	50	79	55
200	45	65	45
200	40	52	36

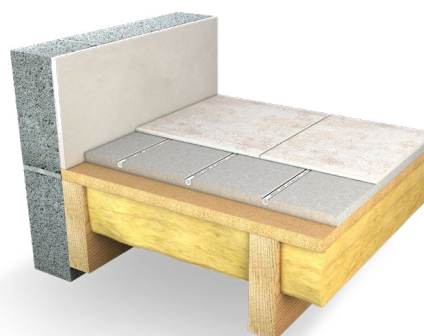


increase heat outputs by up to 30%\*

## Low Profile System - AmbiLowboard/AmbiScreedboard/AmbiDeck

(System shown is AmbiScreedboard on suspended floor build-up)

Pipe Spacing	Mean Flow Temperature	Output - Tiles/ Stone (w/m <sup>2</sup> )	Output - 1 tog floor covering resistance & Timber floor covering (w/m <sup>2</sup> )
150	50	86	61
150	45	84	51
150	40	66	40



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## Low Profile System - AmbiSolo

Pipe Spacing	Mean Flow Temperature	Output - Tiles/ Stone (w/m <sup>2</sup> )	Output - 1 tog floor covering resistance (w/m <sup>2</sup> )	Output - Timber floor covering (w/m <sup>2</sup> )
150	50	86	79	65
150	45	86	65	65
150	40	86	51	51



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