

Existing Underfloor Heating Log

Project REF: 49886157

Room Name	Power Loss (W)	Watts per metre squared (W/m ²)	Emitter Description	Pipe Spacing Recommendation (Heat Emitter Guide)	Pipe Spacing Selected (mm)
Entrance	451	97	150mm (Screed with Tile)	PS≤200 UFH pipes should be placed at 200mm or less to achieve the design condition.	150
Hall	685	34	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Games Room	1051	43	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Gym	461	33	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Shower Room	156	61	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Study	672	67	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Landing/landing 2 (open plan rooms)	1167	49	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Bathroom	819	93	150mm (Screed with Tile)	PS≤200 UFH pipes should be placed at 200mm or less to achieve the design condition.	150

	GO AHEAD - System can perform at the stated efficiencies with the selected emitter design.
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Room Name	Power Loss (W)	Watts per metre squared (W/m²)	Emitter Description	Pipe Spacing Recommendation (Heat Emitter Guide)	Pipe Spacing Selected (mm)
Bedroom 3	552	37	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Study	397	72	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Bedroom 2	778	34	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Shower Room	295	62	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Shower Room	399	60	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Dressing Room	208	32	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Bedroom 1	717	33	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150
Lounge / Sitting Room	2159	46	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150

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Kitchen	1008	56	150mm (Screed with Tile)	PS≤300 UFH pipes should be placed at 300mm or less to achieve the design condition.	150

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Proposed Emitter Log

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Room Name	Power Loss (W)	Emitter Description	Oversize Factor	Output at Flow (W)	Total Output (W)	% Demand Met	Status
Bedroom	772	1800 x 400 K2 Softline Plan Vertical - CRAD0101	3.1 (HEG)	476	952	100%	
		1800 x 400 K2 Softline Plan Vertical - CRAD0101	3.1 (HEG)	476			
Dressing Room	105	450 x 500 K1 Compact - CRAD9074	3.1 (HEG)	122	122	100%	
Bedroom 5	364	1800 x 592 K2 Concord Vertical - CRAD0746	3.1 (HEG)	539	539	100%	
Bedroom 6	351	1800 x 592 K2 Concord Vertical - CRAD0746	3.1 (HEG)	539	539	100%	