

Output table

JUPITER Underfloor Heating System IDEAL

25 mm Fermacell

Mean water temp.	Room temp.	EZ 12,5 cm						CZ 25 cm						MIX 20 cm					
		Fermacell R=0,00 m²K/W		Surface temp.	Fermacell R=0,00 m²K/W		Surface temp.	Fermacell R=0,00 m²K/W		Surface temp.	Fermacell R=0,05 m²K/W		Surface temp.	Fermacell R=0,05 m²K/W		Surface temp.			
		25 mm	θ _F		25 mm	θ _F		25 mm	θ _F		25 mm	θ _F		25 mm	θ _F		25 mm	θ _F	
θ _m	θ _i	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C				
30	15	67.5	21.3	52.6	20.0	57.8	20.5	53.2	20.1	43.1	19.2	46.8	19.5						
30	18	53.7	23.1	41.9	22.1	46.0	22.4	42.3	22.1	34.3	21.4	37.2	21.7						
30	20	44.4	24.3	34.6	23.4	38.1	23.7	35.0	23.5	28.4	22.9	30.8	23.1						
30	22	35.1	25.5	27.4	24.8	30.1	25.0	34.9	25.5	22.4	24.3	24.4	24.5						
30	24	25.6	26.6	19.9	26.1	21.9	26.3	20.2	26.1	16.3	25.7	17.8	25.9						
35	15	90.3	23.2	70.4	21.5	77.4	22.1	71.2	21.6	57.7	20.5	62.7	20.9						
35	18	76.6	25.1	59.7	23.6	65.7	24.1	60.4	23.7	48.9	22.7	53.2	23.1						
35	20	67.5	26.3	52.6	25.0	57.8	25.5	53.2	25.1	43.1	24.2	46.8	24.5						
35	22	58.3	27.5	45.4	26.4	49.9	26.8	46.0	26.4	37.2	25.7	40.4	26.0						
35	24	49.1	28.7	38.3	27.8	42.0	28.1	38.7	27.8	31.3	27.1	34.0	27.4						
40	15	113.1	25.1	88.2	23.0	96.9	23.7	89.2	23.1	72.3	21.7	78.5	22.2						
40	18	99.4	27.0	77.5	25.1	85.2	25.8	78.4	25.2	63.5	24.0	69.0	24.4						
40	20	90.3	28.2	70.4	26.5	77.4	27.1	71.2	26.6	57.7	25.5	62.7	25.9						
40	22	81.2	29.4	63.3	27.9	69.6	28.5	64.0	28.0	51.9	27.0	56.3	27.3						
40	24	72.0	30.7	56.2	29.3	61.7	29.8	56.8	29.4	46.0	28.4	50.0	28.8						
45	15	135.9	26.9	106.0	24.5	116.4	25.3	107.2	24.6	86.8	22.9	94.3	23.5						
45	18	122.2	28.8	95.3	26.6	104.7	27.4	96.4	26.7	78.1	25.2	84.8	25.7						
45	20	113.1	30.1	88.2	28.0	96.9	28.7	89.2	28.1	72.3	26.7	78.5	27.2						
45	22	104.0	31.3	81.1	29.4	89.1	30.1	82.0	29.5	66.4	28.2	72.2	28.7						
45	24	94.9	32.6	74.0	30.8	81.3	31.5	74.8	30.9	60.6	29.7	65.8	30.2						
50	15	158.6	28.7	123.7	25.9	135.9	26.9	125.1	26.0	101.3	24.1	110.1	24.8						
50	18	145.0	30.6	113.0	28.1	124.2	29.0	114.3	28.2	92.6	26.4	100.6	27.0						
50	20	135.9	31.9	106.0	29.5	116.4	30.3	107.2	29.6	86.8	27.9	94.3	28.5						
50	22	126.8	33.2	98.9	30.9	108.6	31.7	100.0	31.0	81.0	29.4	88.0	30.0						
50	24	117.7	34.4	91.8	32.3	100.8	33.1	92.8	32.4	75.2	30.9	81.6	31.5						
55	15	181.4	30.5	141.4	27.3	155.4	28.4	143.0	27.5	115.8	25.3	125.8	26.1						
55	18	167.7	32.4	130.8	29.5	143.7	30.5	132.3	29.6	107.1	27.6	116.4	28.3						
55	20	158.6	33.7	123.7	30.9	135.9	31.9	125.1	31.0	101.3	29.1	110.1	29.8						
55	22	149.5	35.0	116.6	32.3	128.1	33.3	117.9	32.5	95.5	30.6	103.8	31.3						
55	24	140.4	36.3	109.5	33.8	120.3	34.6	110.7	33.9	89.7	32.2	97.4	32.8						

JUPITER Heating Systems Ltd
Pennypot Lane
Chobham
Surrey, GU24 8DJ

Edge Zone 1, 00 m: 35 °C
Central Zone: 29 °C
Bathrooms: 33 °C

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Mean water temp.	Room temp.	EZ 12,5 cm		CZ 25 cm		MIX 20 cm		EZ 12,5 cm		CZ 25 cm		MIX 20 cm	
		Fermacell R=0,10 m²K/W 25 mm	Surface temp.	Fermacell R=0,10 m²K/W 25 mm	Surface temp.	Fermacell R=0,10 m²K/W 25 mm	Surface temp.	Fermacell R=0,15 m²K/W 25 mm	Surface temp.	Fermacell R=0,15 m²K/W 25 mm	Surface temp.	Fermacell R=0,15 m²K/W 25 mm	Surface temp.
θ_m	θ_i		θ_F		θ_F		θ_F		θ_F		θ_F		θ_F
°C	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C
30	15	44.0	19.3	36.6	18.6	39.2	18.8	37.6	18.7	31.7	18.2	33.9	18.4
30	18	35.0	21.5	29.1	20.9	31.2	21.1	29.9	21.0	25.2	20.6	27.0	20.7
30	20	29.0	22.9	24.1	22.5	25.8	22.6	24.8	22.5	20.8	22.2	22.3	22.3
30	22	22.9	24.4	19.0	24.0	20.4	24.1	19.6	24.0	16.5	23.7	17.6	23.9
30	24	16.7	25.8	13.9	25.5	14.9	25.6	14.3	25.5	12.0	25.3	12.8	25.4
35	15	58.9	20.6	48.9	19.7	52.5	20.0	50.3	19.8	42.4	19.1	45.4	19.4
35	18	50.0	22.8	41.5	22.0	44.6	22.3	42.7	22.2	35.9	21.5	38.5	21.8
35	20	44.0	24.3	36.6	23.6	39.2	23.8	37.6	23.7	31.7	23.2	33.9	23.4
35	22	38.0	25.7	31.6	25.2	33.9	25.4	32.5	25.2	27.3	24.8	29.3	24.9
35	24	32.0	27.2	26.6	26.7	28.5	26.9	27.3	26.8	23.0	26.4	24.6	26.5
40	15	73.8	21.8	61.3	20.8	65.8	21.1	63.0	20.9	53.1	20.1	56.8	20.4
40	18	64.8	24.1	53.9	23.1	57.8	23.5	55.4	23.3	46.7	22.5	49.9	22.8
40	20	58.9	25.6	48.9	24.7	52.5	25.0	50.3	24.8	42.4	24.1	45.4	24.4
40	22	52.9	27.0	44.0	26.3	47.2	26.5	45.2	26.4	38.1	25.7	40.8	26.0
40	24	47.0	28.5	39.0	27.8	41.9	28.1	40.1	27.9	33.8	27.4	36.2	27.6
45	15	88.6	23.1	73.6	21.8	79.0	22.3	75.7	22.0	63.8	21.0	68.2	21.4
45	18	79.7	25.3	66.2	24.2	71.1	24.6	68.1	24.3	57.3	23.4	61.4	23.8
45	20	73.8	26.8	61.3	25.8	65.8	26.1	63.0	25.9	53.1	25.1	56.8	25.4
45	22	67.8	28.3	56.4	27.3	60.5	27.7	58.0	27.5	48.8	26.7	52.2	27.0
45	24	61.9	29.8	51.4	28.9	55.2	29.2	52.9	29.0	44.5	28.3	47.7	28.6
50	15	103.4	24.3	86.0	22.8	92.2	23.4	88.4	23.0	74.4	21.9	79.7	22.3
50	18	94.5	26.5	78.6	25.2	84.3	25.7	80.8	25.4	68.0	24.3	72.8	24.7
50	20	88.6	28.1	73.6	26.8	79.0	27.3	75.7	27.0	63.8	26.0	68.2	26.4
50	22	82.7	29.6	68.7	28.4	73.7	28.8	70.7	28.6	59.5	27.6	63.7	28.0
50	24	76.7	31.1	63.8	30.0	68.4	30.4	65.6	30.1	55.2	29.2	59.1	29.6
55	15	118.2	25.5	98.3	23.9	105.5	24.4	101.1	24.1	85.1	22.8	91.1	23.3
55	18	109.4	27.8	90.9	26.2	97.5	26.8	93.5	26.5	78.7	25.2	84.2	25.7
55	20	103.4	29.3	86.0	27.8	92.2	28.4	88.4	28.0	74.4	26.9	79.7	27.3
55	22	97.5	30.8	81.0	29.4	87.0	29.9	83.3	29.6	70.2	28.5	75.1	28.9
55	24	91.6	32.3	76.1	31.0	81.7	31.5	78.3	31.2	65.9	30.2	70.5	30.6

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