

COMPACT FLOOR®

Wärmeleitschichten · Conductive Layers

CompactFloor® DIRECT 1.5

Thermal output System IDEAL EPS | ÖKO | NEO

Nominal layer thickness	17 mm
Thermal conductivity λ	0,13 W / mK
Spread σ	5 K

$R_{i,B} = 0.12 \text{ m}^2 \text{ K / W}$

Parquet 15 mm (incl. 1.5 mm CompactFloor DIRECT)

Average heating water temperature	Room temperature	VA = 125 mm	Surface temperature	VA = 250 mm	Surface temperature
		RZ	θ_F	AZ	θ_F
θ_m	θ_i	W / m ²	°C	W / m ²	°C
30	15	56.7	20.2	44.6	19.1
30	18	45.1	22.2	35.5	21.3
30	20	37.3	23.5	29.4	22.7
30	22	29.5	24.7	23.2	24.2
30	24	21.5	26.0	16.9	25.6
35	15	75.9	22.0	59.8	20.5
35	18	64.4	24.0	50.7	22.7
35	20	56.7	25.2	44.6	24.1
35	22	49.0	26.5	38.6	25.6
35	24	41.2	27.8	32.5	27.0
40	15	95.0	23.8	74.9	21.9
40	18	83.6	25.7	65.8	24.1
40	20	75.9	27.0	59.8	25.5
40	22	68.2	28.3	53.7	27.0
40	24	60.5	29.6	47.7	28.4
45	15	114.2	25.6	89.9	23.3
45	18	102.7	27.5	80.9	25.5
45	20	95.0	28.8	74.9	26.9
45	22	87.4	30.1	68.8	28.4
45	24	79.7	31.4	62.8	29.8
50	15	133.3	27.3	105.0	24.7
50	18	121.8	29.3	96.0	26.9
50	20	114.2	30.6	89.9	28.3
50	22	106.5	31.9	83.9	29.8
50	24	98.9	33.2	77.9	31.2
55	15	152.4	29.1	120.0	26.1
55	18	140.9	31.0	111.0	28.3
55	20	133.3	32.3	105.0	29.7
55	22	125.6	33.6	99.0	31.2
55	24	118.0	34.9	92.9	32.6

$R_{i,B} = 0.16 \text{ m}^2 \text{ K / W}$

Parquet 20 mm (incl. 1.5 mm CompactFloor DIRECT)

VA = 125 mm	Surface temperature	VA = 250 mm	Surface temperature
W / m ²	°C	W / m ²	°C
48.3	19.5	38.5	18.6
38.4	21.6	30.7	20.8
31.8	22.9	25.4	22.3
25.1	24.3	20.0	23.9
18.3	25.7	14.6	25.4
64.6	21.0	51.6	19.8
54.8	23.1	43.7	22.1
48.3	24.5	38.5	23.6
41.7	25.9	33.3	25.1
35.1	27.3	28.0	26.6
80.9	22.5	64.6	21.0
71.2	24.6	56.8	23.3
64.6	26.0	51.6	24.8
58.1	27.4	46.4	26.3
51.5	28.8	41.1	27.8
97.2	24.0	77.6	22.2
87.5	26.1	69.8	24.5
80.9	27.5	64.6	26.0
74.4	28.9	59.4	27.5
67.9	30.3	54.2	29.0
113.5	25.5	90.6	23.4
103.7	27.6	82.8	25.7
97.2	29.0	77.6	27.2
90.7	30.4	72.4	28.7
84.2	31.8	67.2	30.2
129.8	27.0	103.6	24.6
120.0	29.1	95.8	26.9
113.5	30.5	90.6	28.4
107.0	31.9	85.4	29.9
100.5	33.3	80.2	31.4



Thermal output on the basis of DIN EN 1264



Maximum surface temperatures according to DIN EN 1264
Central zone (AZ): 29 °C | Bathrooms: 33° C | Edge zone (RZ, max. width 100 cm): 35° C



Determination of performance data with system IDEAL EPS 30 | ÖKO 30 | NEO 20. Proof of delivery: mfh systems GmbH, Hager Feld 8, 49191 Belm.