

# COMPACTFLOOR®

Wärmeleitschichten · Conductive Layers

## CompactFloor® DIRECT 1.5

Cooling capacity system IDEAL EPS | ÖKO | NEO

Nominal layer thickness	17 mm
Thermal conductivity $\lambda$	0.13 W / mK
Spread $\sigma$	3 K

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

**Parquet 15 mm (incl. 1.5 mm CompactFloor DIRECT)**

Average cooling water temperature °C	Room temperature °C	VA = 125 mm	Surface temperature	VA = 250 mm	Surface temperature
		RZ W / m <sup>2</sup>	$\theta_F$ °C	AZ W / m <sup>2</sup>	$\theta_F$ °C
24	28	11.4	26.2	9.3	26.6
24	26	4.6	25.3	3.8	25.4
22	28	17.6	25.3	14.4	25.8
22	26	11.4	24.2	9.3	24.6
22	25	8.2	23.7	6.7	24.0
22	24	4.6	23.3	3.8	23.4
20	28	23.7	24.3	19.4	25.0
20	26	17.6	23.3	14.4	23.8
20	25	14.5	22.8	11.9	23.2
20	24	11.4	22.2	9.3	22.6
20	22	4.6	21.3	3.8	21.4
18	28	29.8	23.4	24.3	24.3
18	26	23.7	22.3	19.4	23.0
18	25	20.7	21.8	16.9	22.4
18	24	17.6	21.3	14.4	21.8
18	22	11.4	20.2	9.3	20.6
16	28	35.8	22.5	29.3	23.5
16	26	29.8	21.4	24.3	22.3
16	25	26.8	20.9	21.9	21.6
16	24	23.7	20.3	19.4	21.0
16	22	17.6	19.3	14.4	19.8
14	28	41.9	21.6	34.2	22.7
14	26	35.8	20.5	29.3	21.5
14	25	32.8	20.0	26.8	20.9
14	24	29.8	19.4	24.3	20.3
14	22	23.7	18.3	19.4	19.0

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

**Parquet 20 mm (incl. 1.5 mm CompactFloor DIRECT)**

Average cooling water temperature °C	Room temperature °C	VA = 125 mm	Surface temperature	VA = 250 mm	Surface temperature
		RZ W / m <sup>2</sup>	$\theta_F$ °C	AZ W / m <sup>2</sup>	$\theta_F$ °C
24	28	10.0	26.5	8.3	26.7
24	26	4.1	25.4	3.3	25.5
22	28	15.5	25.6	12.7	26.0
22	26	10.0	24.5	8.3	24.7
22	25	7.2	23.9	5.9	24.1
22	24	4.1	23.4	3.3	23.5
20	28	20.9	24.8	17.2	25.4
20	26	15.5	23.6	12.7	24.0
20	25	12.8	23.0	10.5	23.4
20	24	10.0	22.5	8.3	22.7
20	22	4.1	21.4	3.3	21.5
18	28	26.2	24.0	21.5	24.7
18	26	20.9	22.8	17.2	23.4
18	25	18.2	22.2	15.0	22.7
18	24	15.5	21.6	12.7	22.0
18	22	10.0	20.5	8.3	20.7
16	28	31.5	23.2	25.9	24.0
16	26	26.2	22.0	21.5	22.7
16	25	23.5	21.4	19.3	22.0
16	24	20.9	20.8	17.2	21.4
16	22	15.5	19.6	12.7	20.0
14	28	36.8	22.3	30.3	23.3
14	26	31.5	21.2	25.9	22.0
14	25	28.9	20.6	23.7	21.4
14	24	26.2	20.0	21.5	20.7
14	22	20.9	18.8	17.2	19.4



Cooling performance on the basis of DIN EN 1264



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