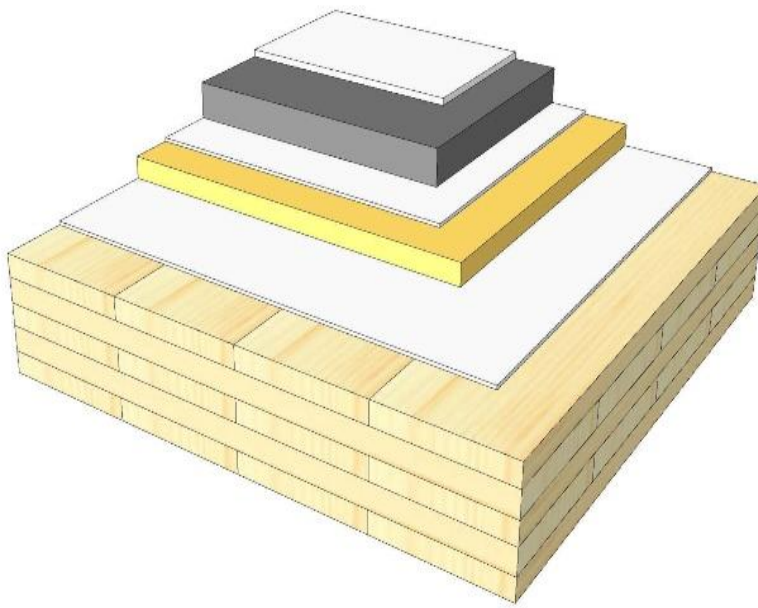


GD 01

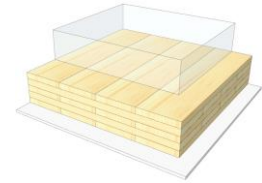
Wet screed / no or light fill



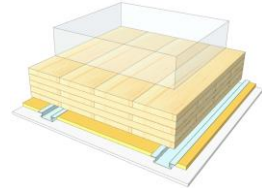
KLH® Visible



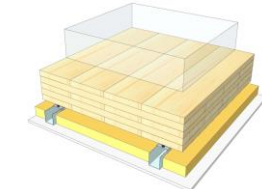
+ G



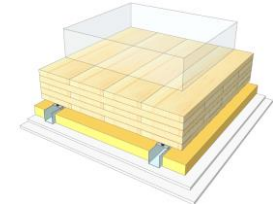
+ FS



+ SC



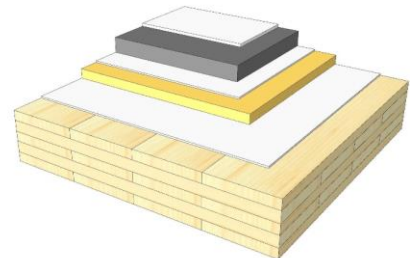
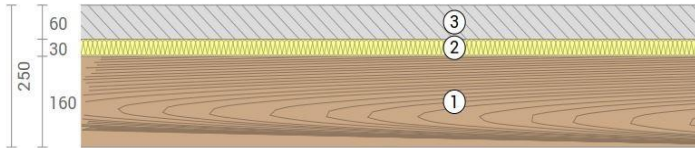
+ SC / 2*G



	KLH® Visible	+ G	+ RP	+ SC	+ SC / 2*G
Airborne Rw [dB]	55	56	58	60	72
Impact Ln,w [dB]	60	60	54	50	45
Thermal U [W/m²K]	0,41	0,40	0,33	0,29	0,28
Fire R*EI [min]	90	120	120	120	120
Thickness [mm]	250	263	290	323	335
Ecology [kg CO2 eq./m²]	-95	-92	-89	-86	-84

GD 01 V

Compartment floor / Cement screed, no or light fill



No	mm	Material
1	160	KLH® - CLT No, or light fill
2	30	Impact sound insulation, $s' \leq 10 \text{ MN/m}^3$
3	60	Wet screed

R*EI (fire attack from below)
90 minutes

U-Value
0,41 W/(m ² K)

Rw
55 (-1;-5) dB

Lnw
60 (0) dB

Thickness
250 mm

Mass per squaremeter
198 kg/m ²

Global warming potential
-95 kg CO ₂ eq./m ²

Primary energy (n. renewable)
84 kWh/m ²

Link Ubakus
[GD 01 V Ubakus](#)

Link pre-dimensioning fire
[KLH REI 90](#)

Fire resistance
R*EI
90

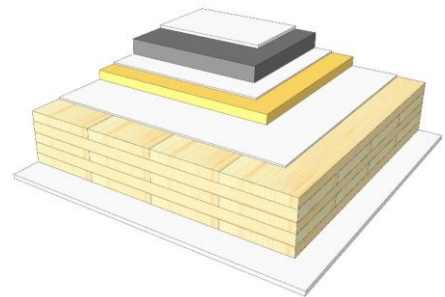
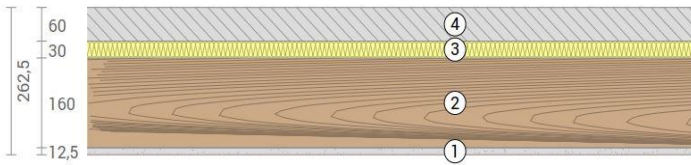
Thermal protection
W/(m²K)
0,41

Sound insulation
dB
55

Ecology
kg CO₂eq./m²
-95

GD 01 G

Compartment floor / Cement screed, no or light fill cladded



No	mm	Material
1	12,5	Gt-F board
2	160	KLH® - CLT No, or light fill
3	30	Impact sound insulation, $s' \leq 10 \text{ MN/m}^3$
4	60	Wet screed

R*EI (fire attack from below)
120 minutes

U-Value
0,4 W/(m ² K)

Rw
56 (-1;-5) dB
Lnw
60 (0) dB

Thickness
263 mm
Mass per squaremeter
208 kg/m ²

Global warming potential
-92 kg CO ₂ eq./m ²
Primary energy (n. renewable)
94 kWh/m ²

Link Ubakus
[GD 01 G Ubakus](#)

Link pre-dimensioning fire
[KLH REI 120](#)

Fire resistance
R*EI
120

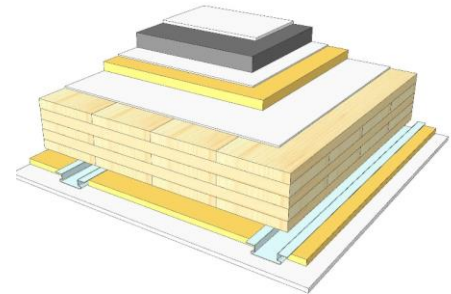
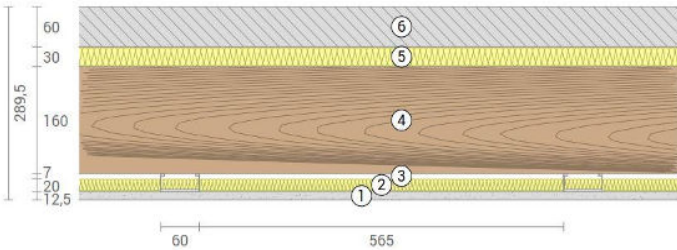
Thermal protection
W/(m²K)
0,4

Sound insulation
dB
56

Ecology
kg CO₂eq./m²
-92

GD 01 RP

Compartment floor / Cement screed, no or light fill
 SC on resilient profiles



No	mm	Material
1	12,5	Gt-F board
2	20	Mineral wool
3	27	Resilient profile
4	160	KLH® - CLT No, or light fill
5	30	Impact sound insulation, $s' \leq 10 \text{ MN/m}^3$
6	60	Wet screed

R*EI (fire attack from below)
120 minutes

U-Value
0,33 W/(m ² K)

Rw
58 (-1;-5) dB

Lnw
54 (2) dB

Thickness
290 mm

Mass per squaremeter
210 kg/m ²

Global warming potential
-89 kg CO ₂ eq./m ²

Primary energy (n. renewable)
106 kWh/m ²

Link Ubakus
[GD 01 RP Ubakus](#)

Link pre-dimensioning fire
[KLH REI 120](#)

Fire resistance
 R*EI
120

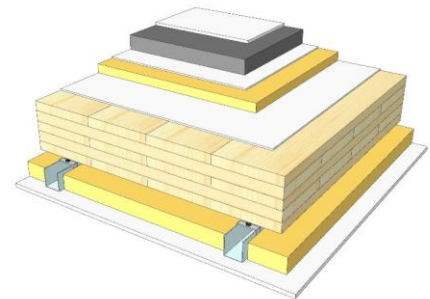
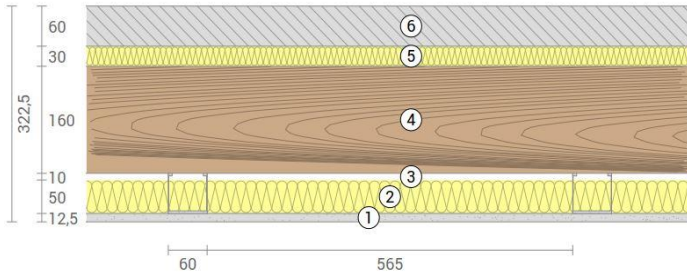
Thermal protection
 W/(m²K)
0,33

Sound insulation
 dB
58

Ecology
 kg CO₂eq./m²
-89

GD 01 SC

Compartment floor / Cement screed, no or light fill
 SC on CD-profiles



No	mm	Material
1	12,5	Gt-F board
2	50	Mineral wool
3	60	CD-profile
4	160	KLH® - CLT No, or light fill
5	30	Impact sound insulation, $s' \leq 10 \text{ MN/m}^3$
6	60	Wet screed

R*EI (fire attack from below)	120 minutes
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U-Value	0,29 W/(m²K)
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Rw	60 (-1;-6) dB
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Lnw	50 (1) dB
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Thickness	323 mm
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Mass per squaremeter	211 kg/m²
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Global warming potential	-86 kg CO ₂ eq./m²
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Primary energy (n. renewable)	114 kWh/m²
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Link Ubakus
[GD 01 SC Ubakus](#)

Link pre-dimensioning fire
[KLH REI 120](#)

Fire resistance
 R*EI
120

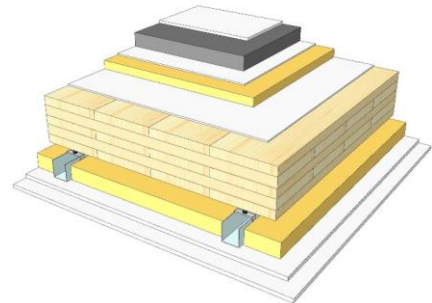
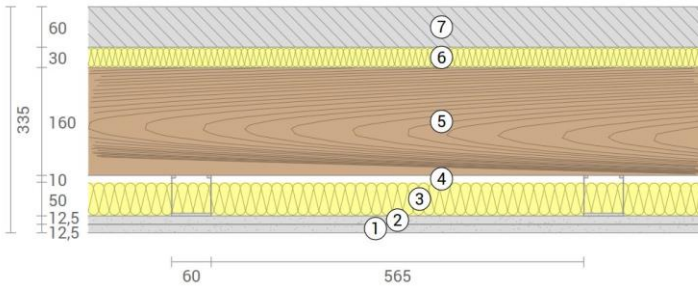
Thermal protection
 W/(m²K)
0,29

Sound insulation
 dB
60

Ecology
 kg CO₂ eq./m²
-86

GD 01 SC2

Compartment floor / Cement screed, no or light fill
 SC on CD-profiles, resilient clips



No	mm	Material
1	12,5	Gt-F board
2	12,5	Gt-F board
3	50	Mineral wool
4	60	CD-profile on resilient clips
5	160	KLH® - CLT No, or light fill
6	30	Impact sound insulation, $s' \leq 10 \text{ MN/m}^3$
7	60	Wet screed

R*EI (fire attack from below)
120 minutes

U-Value
0,28 W/(m ² K)

Rw
72 (-1;-4) dB

Lnw
45 (2) dB

Thickness
335 mm

Mass per squaremeter
221 kg/m ²

Global warming potential
-84 kg CO ₂ eq./m ²

Primary energy (n. renewable)
124 kWh/m ²

Link Ubakus
[GD 01 SC2 Ubakus](#)

Link pre-dimensioning fire
[KLH REI 120](#)

Fire resistance
 R*EI
120

Thermal protection
 W/(m²K)
0,28

Sound insulation
 dB
72

Ecology
 kg CO₂ eq./m²
-84