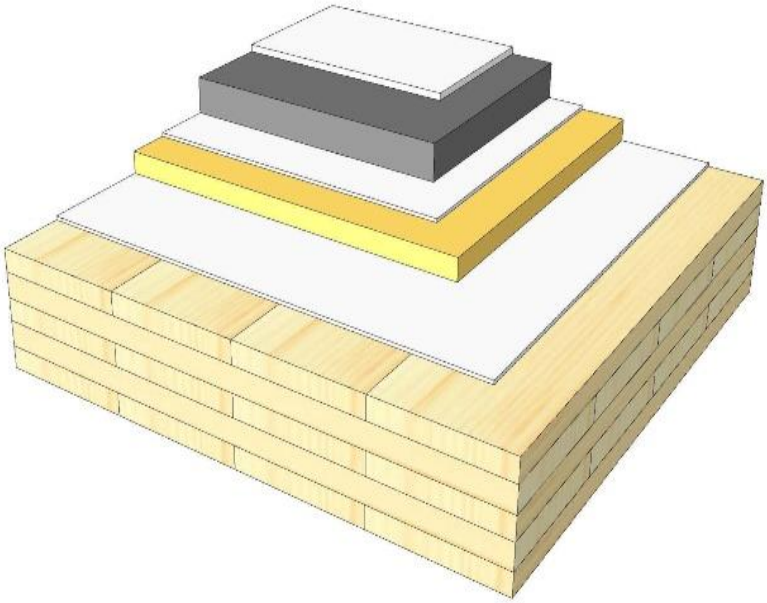
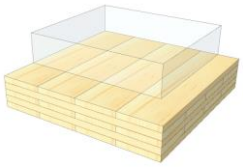
GD 01

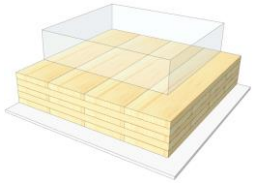
Wet screed / no or light fill



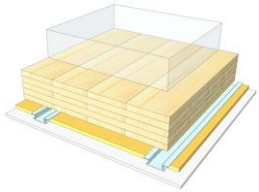
KLH® Visible



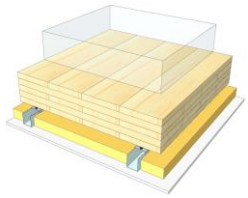
+ G



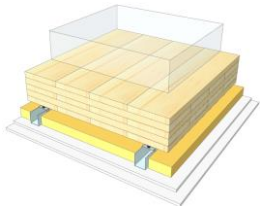
+ FS



+ SC



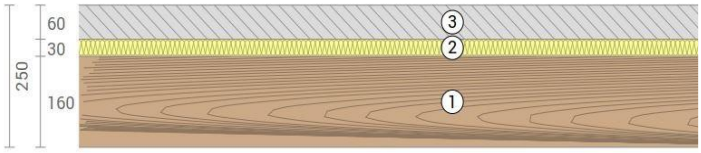
+ SC / 2*G

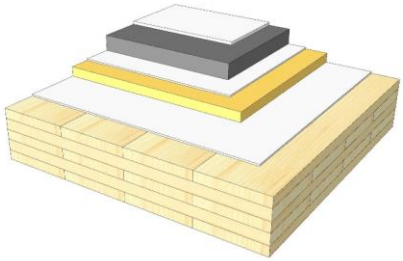


		KLH® Visible	+ G	+ RP	+ SC	+ SC / 2*G
Airborne	Rw [dB]	55	56	58	60	72
Impact	Ln,w [dB]	60	60	54	50	45
Thermal	U [W/m²K]	0,41	0,40	0,33	0,29	0,28
Fire	R*EI [min]	90	120	120	120	120
Thickness	[mm]	250	263	290	323	335
Ecology	[kg CO2 eq./m²]	-95	-92	-89	-86	-84

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' ≤ 10 MN/m³
3	60	Wet screed

R*EI	(fire attack from below)
90	minutes

U-Value	
0,41	W/(m²K)

Rw		
55	(-1;-5)	dB

Lnw		
60	(0)	dB

Thickness	
250	mm

Mass per squaremeter	
198	kg/m²

Global warming potential	
-95	kg CO_2 eq./m²

Primary energy (n. renewable)	
84	kWh/m²

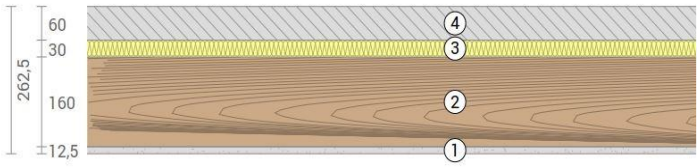
Link Ubakus
GD 01 V Ubakus

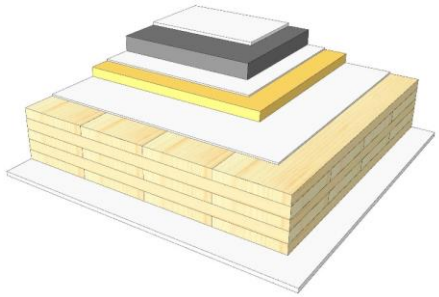
Link pre-dimensioning fire
KLH REI 90

Fire resistance R*EI	Thermal protection W/(m²K)	Sound insulation dB	Ecology kg CO2 eq./m²
90	0,41	55	-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' ≤ 10 MN/m³
4	60	Wet screed

R*EI (fire attack from below)
120 minutes

U-Value
0,4 W/(m²K)

Rw
56 (-1;-5) dB

Lnw
60 (0) dB

Thickness
263 mm

Mass per squaremeter
208 kg/m²

Global warming potential
-92 kg CO_2 eq./m²

Primary energy (n. renewable)
94 kWh/m²

Link Ubakus
GD 01 G Ubakus

Link pre-dimensioning fire
KLH REI 120

Fire resistance R*EI **120**

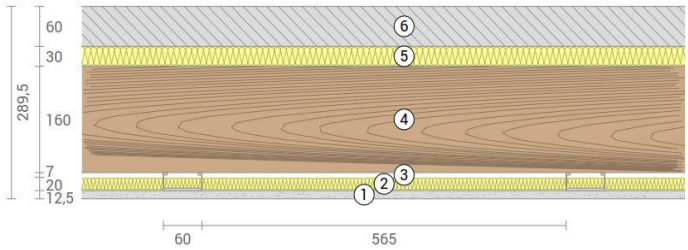
Thermal protection W/(m²K) **0,4**

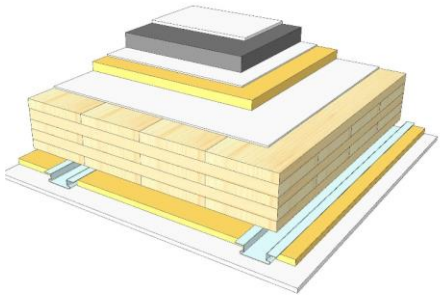
Sound insulation dB **56**

Ecology kg CO2 eq./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' ≤ 10 MN/m³
6	60	Wet screed

R*EI (fire attack from below)
120 minutes

U-Value
0,33 W/(m²K)

Rw
58 (-1;-5) dB
Lnw
54 (2) dB

Thickness
290 mm
Mass per squaremeter
210 kg/m²

Global warming potential
-89 kg CO_2 eq./m²
Primary energy (n. renewable)
106 kWh/m²

Link Ubakus
GD 01 RP Ubakus

Link pre-dimensioning fire
KLH REI 120

Fire resistance R*EI **120**

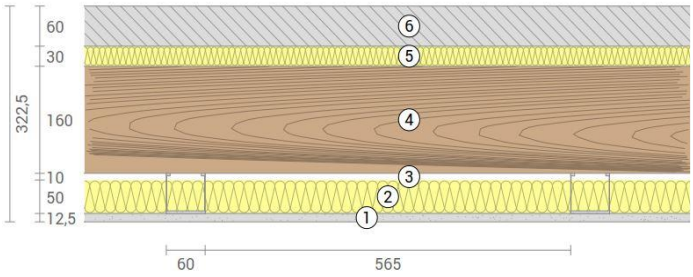
Thermal protection W/(m²K) **0,33**

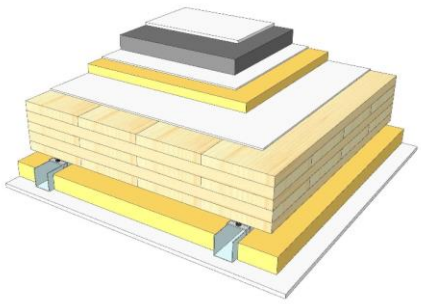
Sound insulation dB **58**

Ecology kg CO2 eq./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' ≤ 10 MN/m³
6	60	Wet screed

R*EI	(fire attack from below)
120	minutes

U-Value	
0,29	W/(m²K)

Rw		
60	(-1;-6)	dB

Lnw		
50	(1)	dB

Thickness	
323	mm

Mass per squaremeter	
211	kg/m²

Global warming potential	
-86	kg CO_2 eq./m²

Primary energy (n. renewable)	
114	kWh/m²

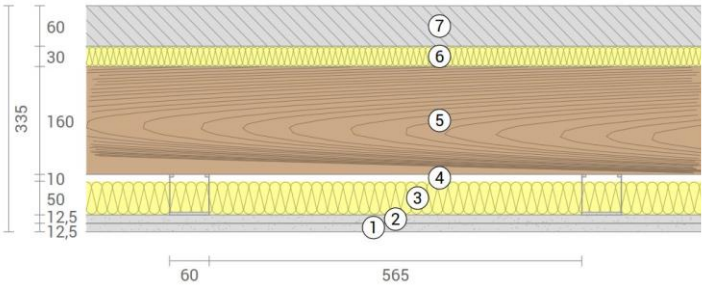
Link Ubakus
GD 01 SC Ubakus

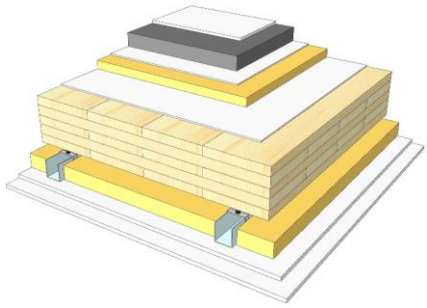
Link pre-dimensioning fire
KLH REI 120

Fire resistance R*EI	Thermal protection W/(m²K)	Sound insulation dB	Ecology kg CO2 eq./m²
120	0,29	60	-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' ≤ 10 MN/m³
7	60	Wet screed

R*EI (fire attack from below)	
120	minutes

U-Value	
0,28	W/(m²K)

Rw		
72	(-1;-4)	dB

Lnw		
45	(2)	dB

Thickness	
335	mm

Mass per squaremeter	
221	kg/m²

Global warming potential	
-84	kg CO_2 eq./m²

Primary energy (n. renewable)	
124	kWh/m²

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**