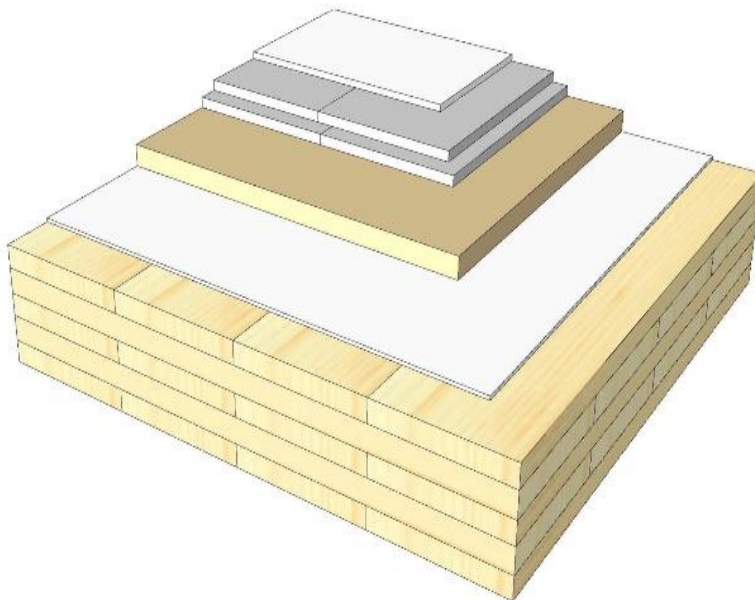
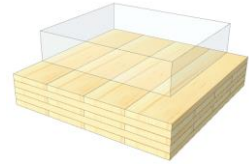


GD 05

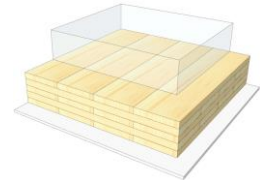
Dry screed / no or light fill



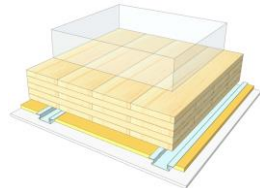
KLH® Visible



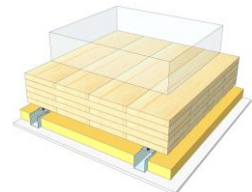
+ G



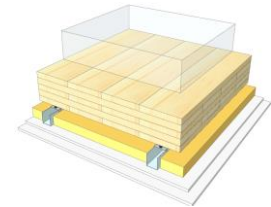
+ FS



+ SC



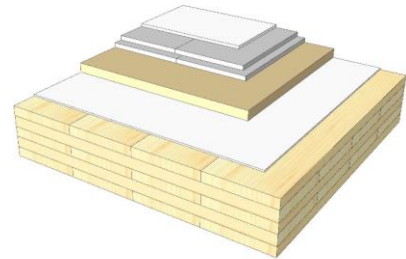
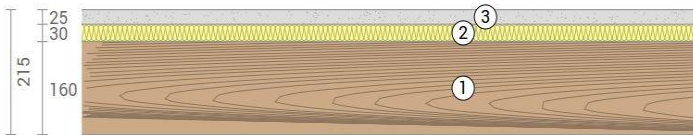
+ SC / 2*G



	KLH® Visible	+ G	+ RP	+ SC	+ SC / 2*G
Airborne Rw [dB]	55	56	58	60	70
Impact Ln,w [dB]	61	61	56	51	46
Thermal U [W/m²K]	0,42	0,42	0,35	0,30	0,29
Fire R*EI [min]	90	120	120	120	120
Thickness [mm]	215	228	255	288	300
Ecology [kg CO2 eq./m²]	-105	-103	-99	-97	-95

GD 05 V

Compartment floor / dry screed, no or light fill



No	mm	Material
1	160	KLH® - CLT No, or light fill
2	30	Impact sound insulation, $s' \leq 30 \text{ MN/m}^3$
3	25	Dry screed

R*EI (fire attack from below)	90 minutes
-------------------------------	-------------------

U-Value	0,42 W/(m ² K)
---------	----------------------------------

Rw	55 (-2;-6) dB
----	----------------------

Lnw	61 (-1) dB
-----	-------------------

Thickness	215 mm
-----------	---------------

Mass per squaremeter	110 kg/m ²
----------------------	------------------------------

Global warming potential	-105 kg CO ₂ eq./m ²
--------------------------	---

Primary energy (n. renewable)	110 kWh/m ²
-------------------------------	-------------------------------

Link Ubakus
[GD 05 V Ubakus](#)

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

Fire resistance
R*EI
90

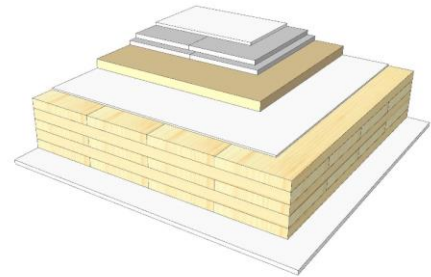
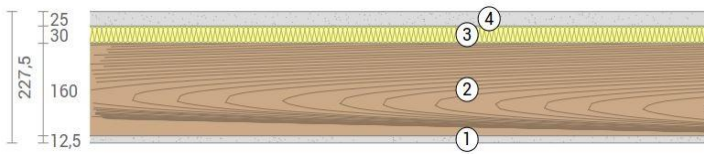
Thermal protection
W/(m²K)
0,42

Sound insulation
dB
55

Ecology
kg CO₂eq./m²
-105

GD 05 G

Compartment floor / dry 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, $s' \leq 30 \text{ MN/m}^3$
4	25	Dry screed

R*EI (fire attack from below)
120 minutes

U-Value
0,42 W/(m ² K)

Rw
56 (-2;-6) dB
Lnw
61 (-1) dB

Thickness
228 mm
Mass per squaremeter
120 kg/m ²

Global warming potential
-103 kg CO ₂ eq./m ²
Primary energy (n. renewable)
120 kWh/m ²

Link Ubakus
[GD 05 G Ubakus](#)

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

Fire resistance
R*EI
120

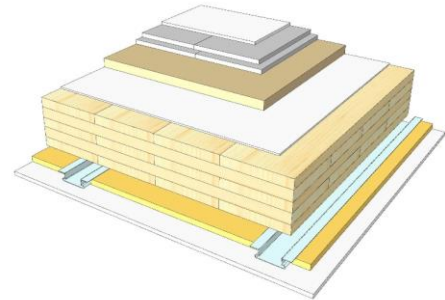
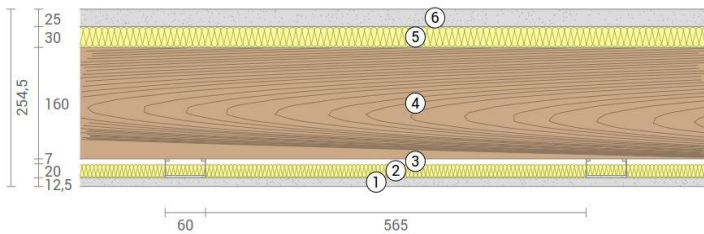
Thermal protection
W/(m²K)
0,42

Sound insulation
dB
56

Ecology
kg CO₂eq./m²
-103

GD 05 RP

Compartment floor / dry 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, $s' \leq 30 \text{ MN/m}^3$
6	25	Dry screed

R*EI (fire attack from below)
120 minutes

U-Value
0,35 W/(m ² K)

Rw
58 (-2;-8) dB

Lnw
56 (1) dB

Thickness
255 mm

Mass per squaremeter
121 kg/m ²

Global warming potential
-99 kg CO ₂ eq./m ²

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

Link Ubakus
[GD 05 RP Ubakus](#)

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

Fire resistance
R*EI
120

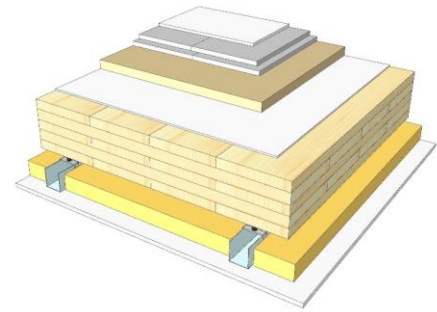
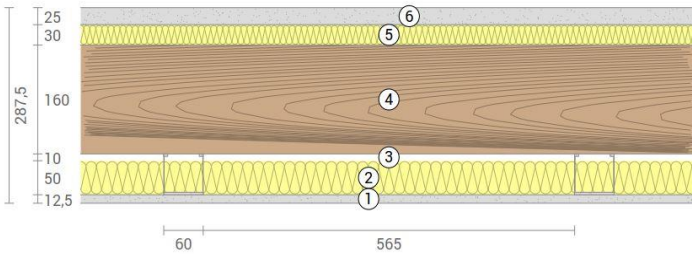
Thermal protection
W/(m²K)
0,35

Sound insulation
dB
58

Ecology
kg CO₂eq./m²
-99

GD 05 SC

Compartment floor / dry 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, $s' \leq 30 \text{ MN/m}^3$
6	25	Dry screed

R*EI (fire attack from below)	120 minutes
-------------------------------	--------------------

U-Value	0,3 W/(m ² K)
---------	---------------------------------

Rw	60 (-3;-7) dB
----	----------------------

Lnw	51 (1) dB
-----	------------------

Thickness	288 mm
-----------	---------------

Mass per squaremeter	122 kg/m ²
----------------------	------------------------------

Global warming potential	-97 kg CO ₂ eq./m ²
--------------------------	--

Primary energy (n. renewable)	140 kWh/m ²
-------------------------------	-------------------------------

Link Ubakus
[GD 05 SC Ubakus](#)

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

Fire resistance
 R*EI
120

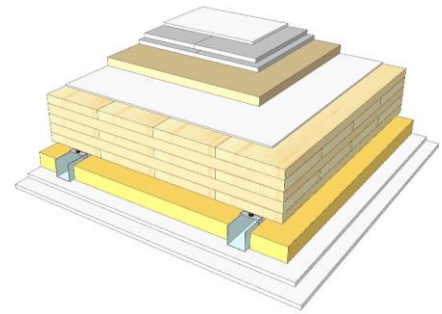
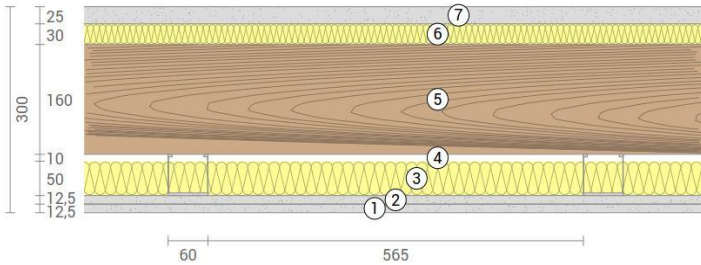
Thermal protection
 W/(m²K)
0,3

Sound insulation
 dB
60

Ecology
 kg CO₂eq./m²
-97

GD 05 SC2

Compartment floor / dry 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, $s' \leq 30 \text{ MN/m}^3$
7	25	Dry screed

R*EI (fire attack from below)
120 minutes

U-Value
0,29 W/(m ² K)

Rw
70 (-3;-10) dB

Lnw
46 (1) dB

Thickness
300 mm

Mass per squaremeter
132 kg/m ²

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

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

Link Ubakus
[GD 05 SC2 Ubakus](#)

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

Fire resistance
 R*EI
120

Thermal protection
 W/(m²K)
0,29

Sound insulation
 dB
70

Ecology
 kg CO₂eq./m²
-95