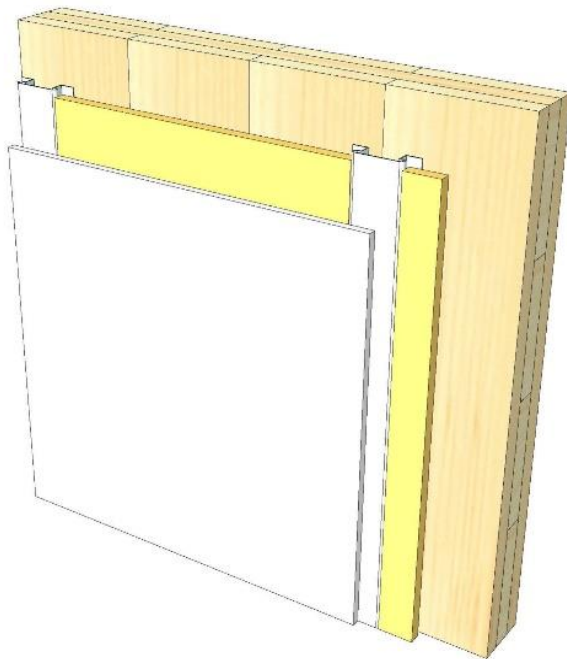


IW 05

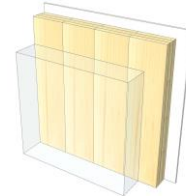
Resilient profile



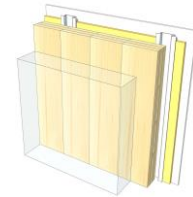
KLH® Visible



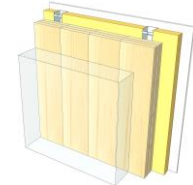
+ G



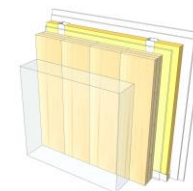
+ RP



+ FF



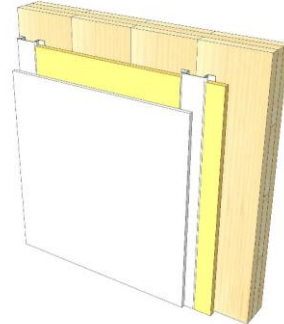
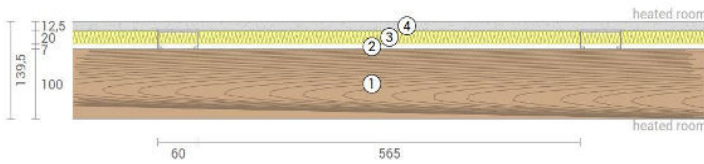
+ FF free / 2*G



	KLH® Visible	+ G	+ RP	+ FF	+ FF free / 2*G
Sound Rw [dB]	44	45	48	50	63
Thermal U [W/m²K]	0,60	0,59	0,45	0,36	0,35
Fire R*EI [min]	30	60	60	60	60
Thickness [mm]	140	152	179	215	225
Ecology [kg CO2 eq./m²]	-62	-59	-56	-52	-52

IW 05 V

Interior wall / resilient profile



No	mm	Material
1	100	KLH® - CLT
2	27	Resilient profile
3	20	Mineral wool
4	12,5	Gt-F board

R*EI (fire attack on both sides)
30 minutes

U-Value
0,60 W/(m²K)

Rw
44 (-3;9) dB

Thickness
140 mm
Mass per squaremeter
58 kg/m²

Global warming potential
-62 kg CO ₂ eq./m²
Primary energy (n. renewable)
61 kWh/m²

Link Ubakus
[IW 05 V Ubakus](#)

Link pre-dimensioning fire
[KLH REI 30](#)

Fire protection
 R*EI
30

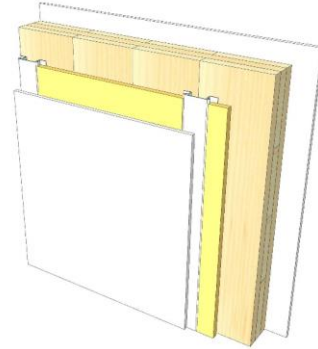
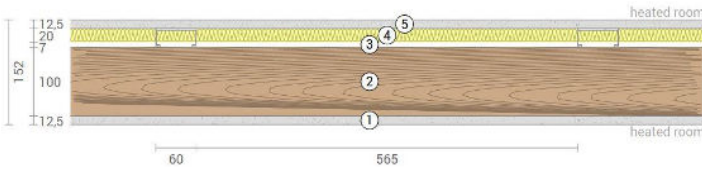
Thermal protection
 W/(m²K)
0,60

Sound insulation
 dB
44

Ecology
 kg CO₂ eq./m²
-62

IW 05 G

Interior wall / resilient profile
Cladded



No	mm	Material
1	12,5	Gt-F board
2	100	KLH® - CLT
3	27	Resilient profile
4	20	Mineral wool
5	12,5	Gt-F board

R*EI (fire attack on both sides)
60 minutes

U-Value
0,59 W/(m²K)

Rw
45 (-3;-9) dB

Thickness
152 mm
Mass per squaremeter
68 kg/m²

Global warming potential
-59 kg CO ₂ eq./m²
Primary energy (n. renewable)
71 kWh/m²

Link Ubakus
[IW 05 G Ubakus](#)

Link pre-dimensioning fire
[KLH REI 60](#)

Fire protection
R*EI
60

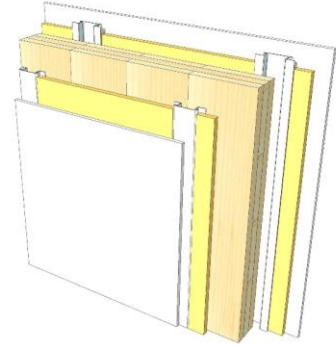
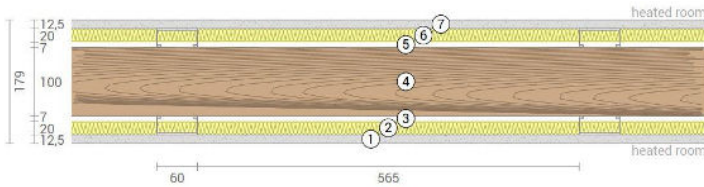
Thermal protection
W/(m²K)
0,59

Sound insulation
dB
45

Ecology
kg CO₂ eq./m²
-59

IW 05 RP

Interior wall / resilient profile
both-sided



No	mm	Material
1	12,5	Gt-F board
2	20	Mineral wool
3	27	Resilient profile
4	100	KLH® - CLT
5	27	Resilient profile
6	20	Mineral wool
7	12,5	Gt-F board

R*EI (fire attack on both sides)
60 minutes

U-Value
0,45 W/(m²K)

Rw
48 (-6,-13) dB

Thickness
179 mm
Mass per squaremeter
70 kg/m²

Global warming potential
-56 kg CO ₂ eq./m²
Primary energy (n. renewable)
83 kWh/m²

Link Ubakus
[IW 05 RP Ubakus](#)

Link pre-dimensioning fire
[KLH REI 60](#)

Fire protection
R*EI
60

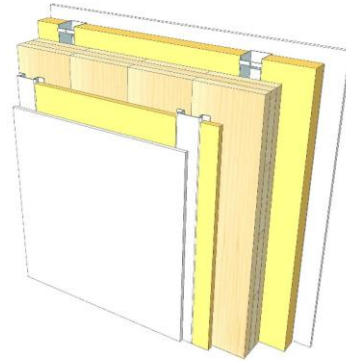
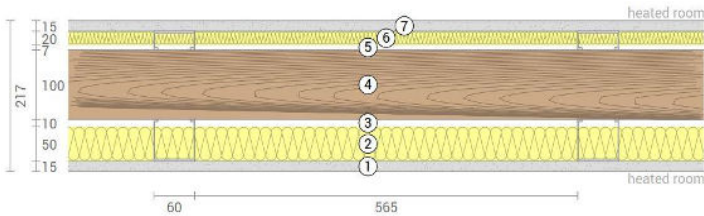
Thermal protection
W/(m²K)
0,45

Sound insulation
dB
48

Ecology
kg CO₂ eq./m²
-56

IW 05 FF

Interior wall / resilient profile
Facing formwork



No	mm	Material
1	15	Gt-F board
2	50	Rock wool
3	60	CW-profile mounted elastically or free
4	100	KLH® - CLT
5	27	Resilient profile
6	20	Mineral wool
7	12,5	Gt-F board

R*EI (fire attack on both sides)
60 minutes

U-Value
0,36 W/(m²K)

Rw
50 (-6,-13) dB

Thickness
215 mm
Mass per squaremeter
74 kg/m²

Global warming potential
-52 kg CO ₂ eq./m²
Primary energy (n. renewable)
95 kWh/m²

Link Ubakus
[IW 05 FF Ubakus](#)

Link pre-dimensioning fire
[KLH REI 60](#)

Fire protection
R*EI
60

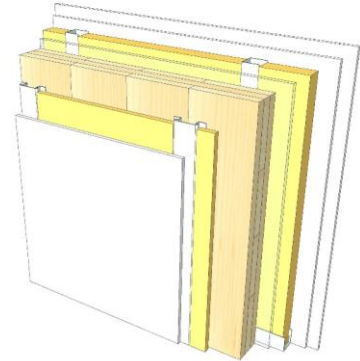
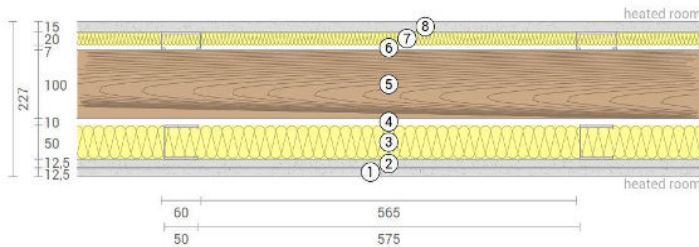
Thermal protection
W/(m²K)
0,36

Sound insulation
dB
50

Ecology
kg CO₂ eq./m²
-52

IW 05 FF2

Interior wall / resilient profile
Self-supporting formwork



No	mm	Material
1	12,5	Gt-F board
2	12,5	Gt-F board
3	50	CW-profile self supporting, rock wool
4	10	Air gap
5	100	KLH® - CLT
6	27	Resilient profile
7	20	Mineral wool
8	12,5	Gt-F board

R*EI (fire attack on both sides)
60 minutes

U-Value
0,35 W/(m²K)

Rw
63 (-9;-16) dB

Thickness
225 mm
Mass per squaremeter
81 kg/m²

Global warming potential
-52 kg CO ₂ eq./m²
Primary energy (n. renewable)
99 kWh/m²

Link Ubakus
[IW 05 FF2 Ubakus](#)

Link pre-dimensioning fire
[KLH REI 60](#)

Fire protection
R*EI
60

Thermal protection
W/(m²K)
0,35

Sound insulation
dB
63

Ecology
kg CO₂ eq./m²
-52