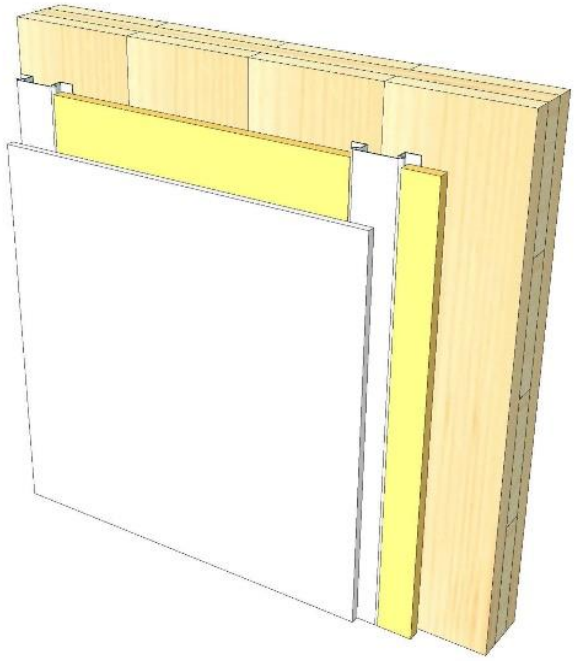
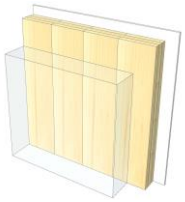
IW 05

Resilient profile

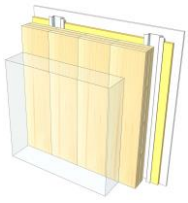


KLH® Visible

+ G

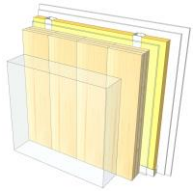


+ RP



+ FF

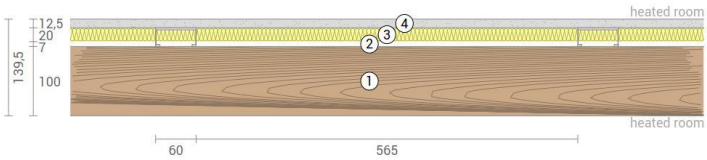
+ FF free / 2*G

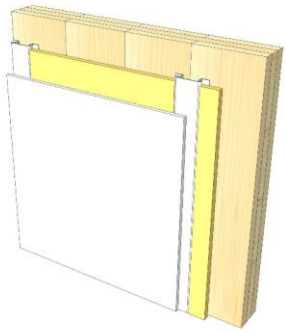


		KLH® Visible	+ G	+ RP	+ FF	+ FF free 2*G
Sound	Rw [dB]	44	45	48	50	63
Thermal	U [W/m²K]	0,60	0,59	0,45	0,36	0,35
Fire	R*EI [min]	30	60	60	60	60
Thickness	[mm]	140	152	179	215	225
Ecology	[kg CO2 eq./m²]	-62	-59	-56	-52	-52

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

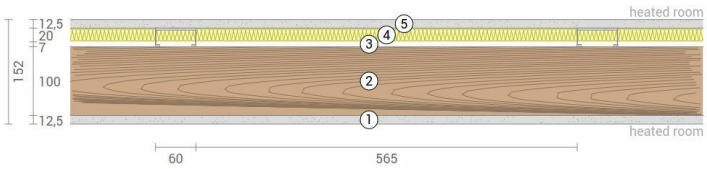
Link Ubakus
IW 05 V Ubakus

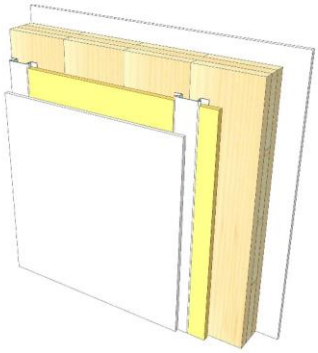
Link pre-dimensioning fire
KLH REI 30

Fire protection R*EI	Thermal protection W/(m²K)	Sound insulation dB	Ecology kg CO2 eq./m²
30	0,60	44	-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

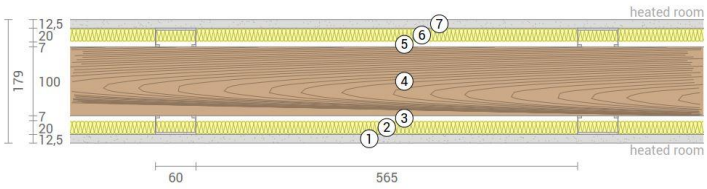
Link Ubakus
IW 05 G Ubakus

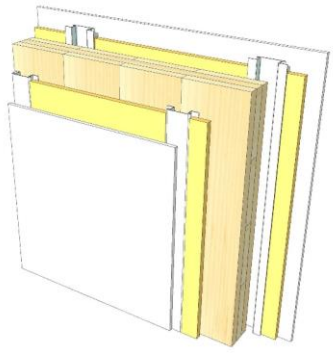
Link pre-dimensioning fire
KLH REI 60

Fire protection R*EI	Thermal protection W/(m²K)	Sound insulation dB	Ecology kg CO2 eq./m²
60	0,59	45	-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

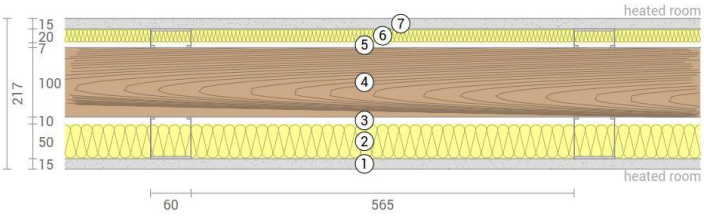
Link Ubakus
IW 05 RP Ubakus

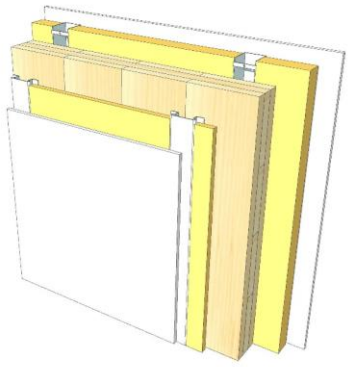
Link pre-dimensioning fire
KLH REI 60

Fire protection R*EI	Thermal protection W/(m²K)	Sound insulation dB	Ecology kg CO2 eq./m²
60	0,45	48	-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

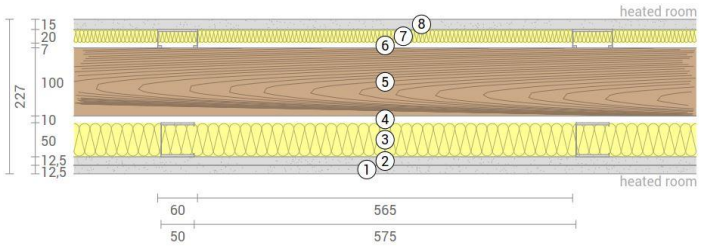
Thermal protection
W/(m²K)
0,36

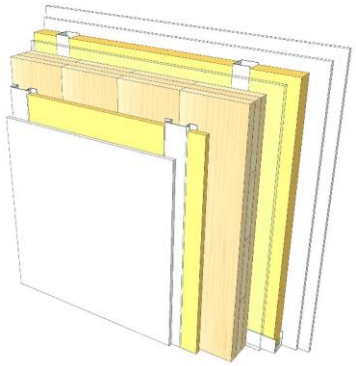
Sound insulation
dB
50

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	Thermal protection W/(m²K)	Sound insulation dB	Ecology kg CO2 eq./m²
60	0,35	63	-52