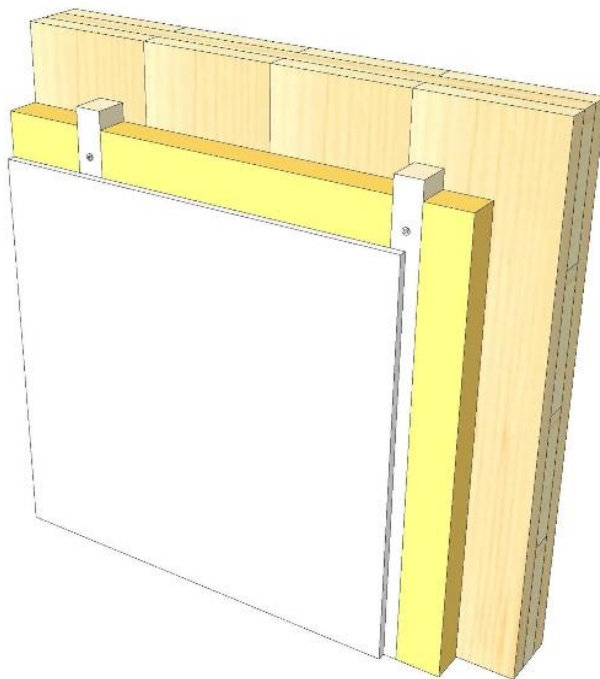
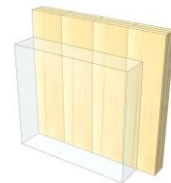


IW 06

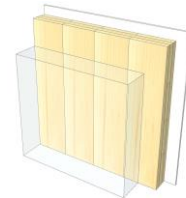
Facing formwork timber battens



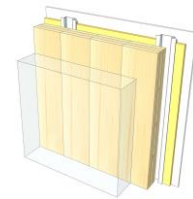
KLH® Visible



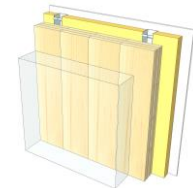
+ G



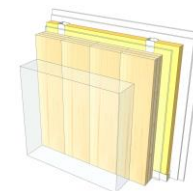
+ RP



+ FF



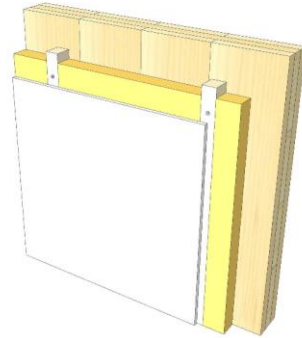
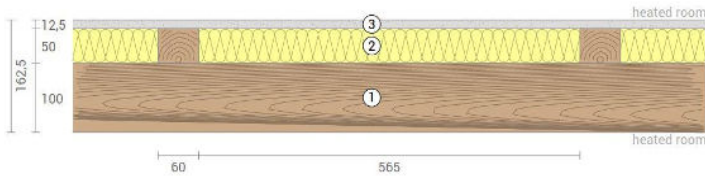
+ FF free / 2*G



	KLH® Visible	+ G	+ RP	+ FF	+ FF free / 2*G
Sound R_w [dB]	41	42	50	51	61
Thermal U [W/m^2K]	0,45	0,44	0,36	0,30	0,29
Fire R^*EI [min]	30	60	60	60	60
Thickness [mm]	163	175	202	240	250
Ecology [$kg\ CO_2\ eq./m^2$]	-67	-64	-61	-57	-56

IW 06 V

Interior wall / facing formwork on timber battens



No	mm	Material
1	100	KLH® - CLT
2	60	Timber battens, mineral wool
3	12,5	Gt-F board

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

U-Value
0,45 W/(m²K)

Rw
41 (-1;-4) dB

Thickness
163 mm
Mass per squaremeter
60 kg/m²

Global warming potential
-67 kg CO ₂ eq./m²
Primary energy (n. renewable)
55 kWh/m²

Link Ubakus
[IW 06 V Ubakus](#)

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

Fire protection
 R*EI
30

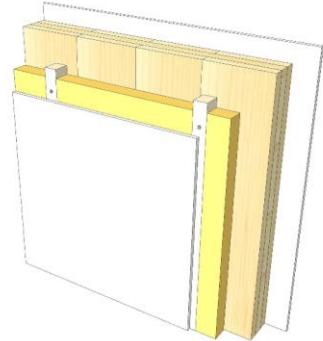
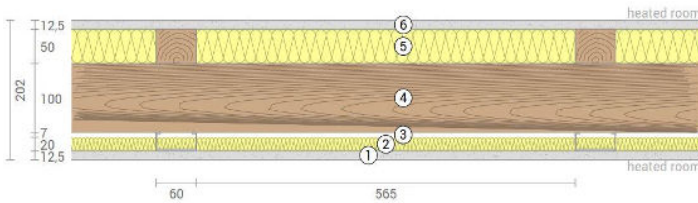
Thermal protection
 W/(m²K)
0,45

Sound insulation
 dB
41

Ecology
 kg CO₂eq./m²
-67

IW 06 G

Interior wall / facing formwork on timber battens
Cladded



No	mm	Material
1	12,5	Gt-F board
2	100	KLH® - CLT
3	60	Timber battens, mineral wool
4	12,5	Gt-F board

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

U-Value
0,44 W/(m²K)

Rw
42 (-1;-4) dB

Thickness
175 mm
Mass per squaremeter
70 kg/m²

Global warming potential
-64 kg CO ₂ eq./m²
Primary energy (n. renewable)
66 kWh/m²

Link Ubakus
[IW 06 G Ubakus](#)

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

Fire protection
R*EI
60

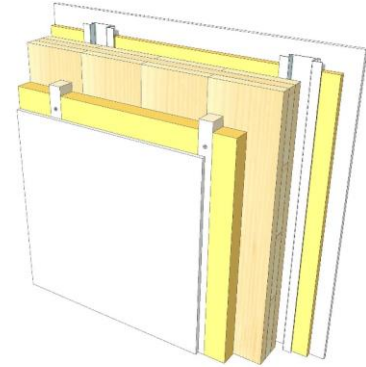
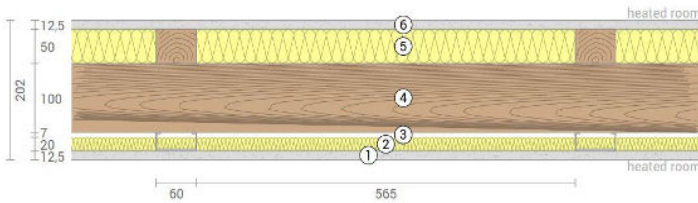
Thermal protection
W/(m²K)
0,44

Sound insulation
dB
42

Ecology
kg CO₂eq./m²
-64

IW 06 RP

Interior wall / facing formwork on timber battens
Resilient profile



No	mm	Material
1	12,5	Gt-F board
2	20	Mineral wool
3	27	Resilient profile
4	100	KLH® - CLT
5	60	Timber battens, mineral wool
6	12,5	Gt-F board

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

U-Value
0,36 W/(m²K)

Rw
50 (-1;-7) dB

Thickness	202 mm
Mass per squaremeter	71 kg/m²

Global warming potential	-61 kg CO ₂ eq./m²
Primary energy (n. renewable)	77 kWh/m²

Link Ubakus
[IW 06 RP Ubakus](#)

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

Fire protection
R*EI
60

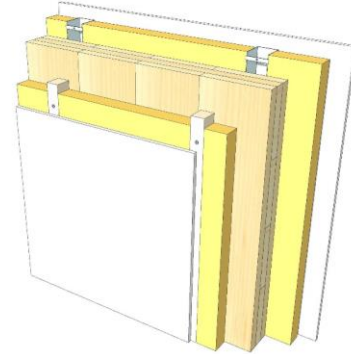
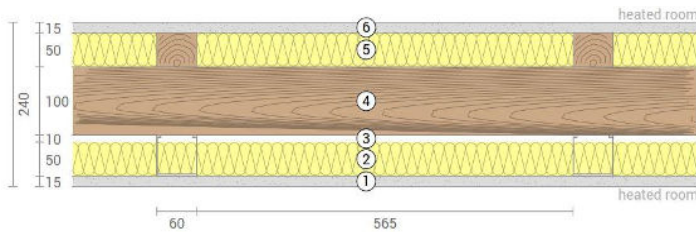
Thermal protection
W/(m²K)
0,36

Sound insulation
dB
50

Ecology
kg CO₂ eq./m²
-61

IW 06 FF

Interior wall / facing formwork on timber battens
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	60	Timber battens, mineral wool
6	12,5	Gt-F board

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

U-Value
0,30 W/(m²K)

Rw
51 (0;-6) dB

Thickness
240 mm
Mass per squaremeter
78 kg/m²

Global warming potential
-57 kg CO ₂ eq./m²
Primary energy (n. renewable)
89 kWh/m²

Link Ubakus
[IW 06 FF Ubakus](#)

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

Fire protection
R*EI
60

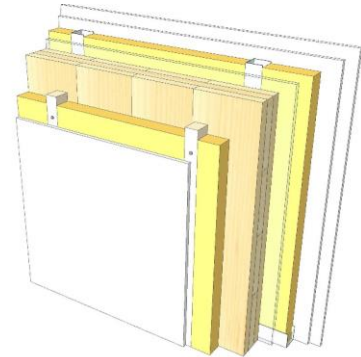
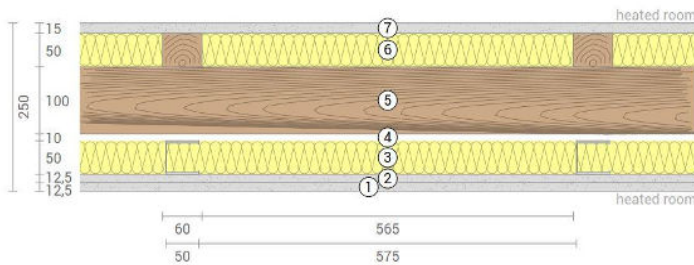
Thermal protection
W/(m²K)
0,30

Sound insulation
dB
51

Ecology
kg CO₂eq./m²
-57

IW 06 FF2

Interior wall / facing formwork on timber battens
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	60	Timber battens, mineral wool
7	12,5	Gt-F board

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

U-Value
0,29 W/(m²K)

Rw
61 (-2;-8) dB

Thickness	250 mm
Mass per squaremeter	84 kg/m ²

Global warming potential	-56 kg CO ₂ eq./m ²
Primary energy (n. renewable)	95 kWh/m ²

Link Ubakus
[IW 06 FF2 Ubakus](#)

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

Fire protection
R*EI
60

Thermal protection
W/(m²K)
0,29

Sound insulation
dB
61

Ecology
kg CO₂eq./m²
-56