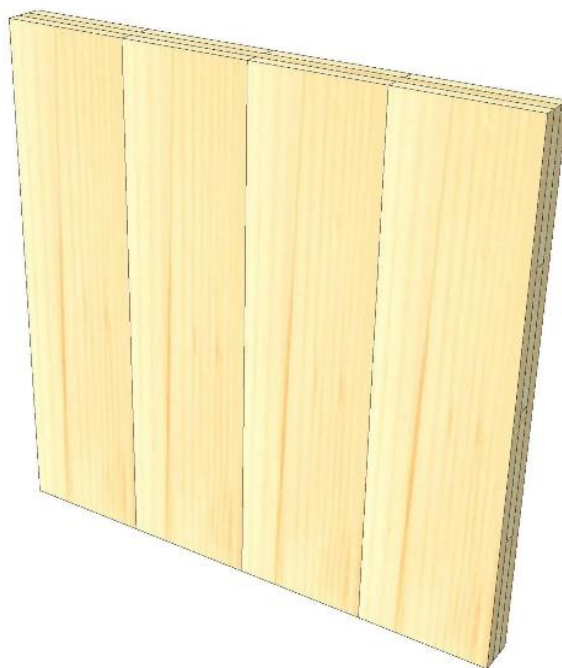
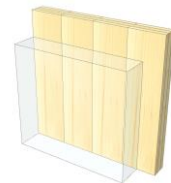


# IW 01

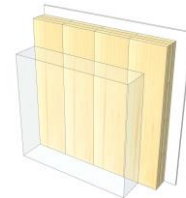
## KLH® 3s 60



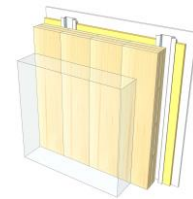
KLH® Visible



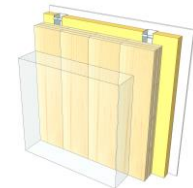
+ G



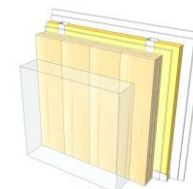
+ RP



+ FF



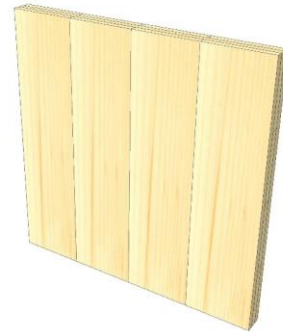
+ FF free / 2\*G



	KLH® Visible	+ G	+ RP	+ FF	+ FF free / 2*G
<b>Sound</b> $R_w$ [dB]	29	30	38	40	49
<b>Thermal</b> $U$ [ $W/m^2K$ ]	1,32	1,24	0,76	0,53	0,50
<b>Fire</b> $R^*EI$ [min]	0	0	0	0	0
<b>Thickness</b> [mm]	60	73	100	135	145
<b>Ecology</b> [kg CO <sub>2</sub> eq./m <sup>2</sup> ]	-40	-38	-35	-31	-31

# IW 01 V

Interior wall / KLH® - CLT 60 TT



No	mm	Material
1	60	KLH® - CLT

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

U-Value
1,32 W/(m²K)

Rw
29 (-1;3) dB

Thickness
60 mm

Mass per squaremeter
28 kg/m²

Global warming potential
-40 kg CO <sub>2</sub> eq./m²

Primary energy (n. renewable)
23 kWh/m²

Link Ubakus  
[IW 01 V Ubakus](#)

Link pre-dimensioning fire  
[KLH REI 0](#)

Fire protection  
R\*EI  
**0**

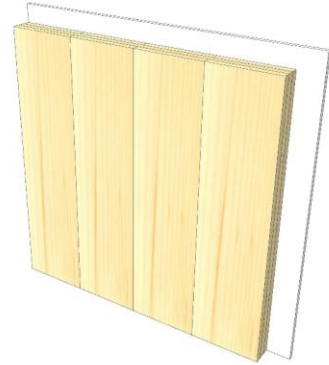
Thermal protection  
W/(m²K)  
**1,32**

Sound insulation  
dB  
**29**

Ecology  
kg CO<sub>2</sub>eq./m²  
**-40**

# IW 01 G

Interior wall / KLH® - CLT 60 TT  
Cladded



No	mm	Material
1	12,5	Gt-F board
2	60	KLH® - CLT

R*EI (fire attack on both sides)
<b>0</b> minutes

U-Value
<b>1,24</b> W/(m²K)

Rw
<b>30</b> (-1;-3) dB

Thickness
<b>73</b> mm

Mass per squaremeter
<b>38</b> kg/m²

Global warming potential
<b>-38</b> kg CO <sub>2</sub> eq./m²

Primary energy (n. renewable)
<b>34</b> kWh/m²

Link Ubakus  
[IW 01 G Ubakus](#)

Link pre-dimensioning fire  
[KLH REI 0](#)

Fire protection  
R\*EI  
**0**

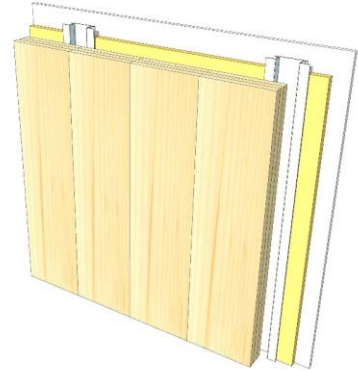
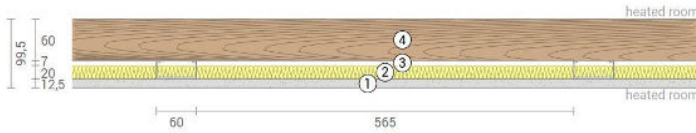
Thermal protection  
W/(m²K)  
**1,24**

Sound insulation  
dB  
**30**

Ecology  
kg CO<sub>2</sub>eq./m²  
**-38**

# IW 01 RP

Interior wall / KLH® - CLT 60 TT  
Resilient profile



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

R*EI (fire attack on both sides)
<b>0</b> minutes

U-Value
<b>0,76</b> W/(m²K)

Rw
<b>38</b> (-2;-7) dB

Thickness
<b>100</b> mm
Mass per squaremeter
<b>40</b> kg/m²

Global warming potential
<b>-35</b> kg CO <sub>2</sub> eq./m²
Primary energy (n. renewable)
<b>45</b> kWh/m²

Link Ubakus  
[IW 01 RP Ubakus](#)

Link pre-dimensioning fire  
[KLH REI 0](#)

Fire protection  
R\*EI  
**0**

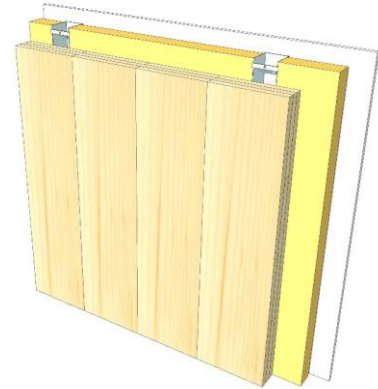
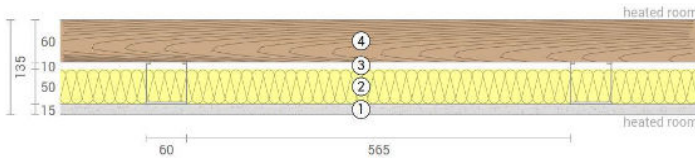
Thermal protection  
W/(m²K)  
**0,76**

Sound insulation  
dB  
**38**

Ecology  
kg CO<sub>2</sub> eq./m²  
**-35**

# IW 01 FF

Interior wall /KLH® - CLT 60 TT  
Facing formwork



No	mm	Material
1	15	Gt-F board
2	50	Rock wool
3	60	CW-profile mounted elastically or free
4	60	KLH® - CLT

R*EI (fire attack on both sides)
<b>0</b> minutes

U-Value
<b>0,53</b> W/(m²K)

Rw
<b>40</b> (-2;-7) dB

Thickness
<b>135</b> mm
Mass per squaremeter
<b>44</b> kg/m²

Global warming potential
<b>-31</b> kg CO <sub>2</sub> eq./m²
Primary energy (n. renewable)
<b>57</b> kWh/m²

Link Ubakus  
[IW 01 FF Ubakus](#)

Link pre-dimensioning fire  
[KLH REI 0](#)

Fire protection  
R\*EI  
**0**

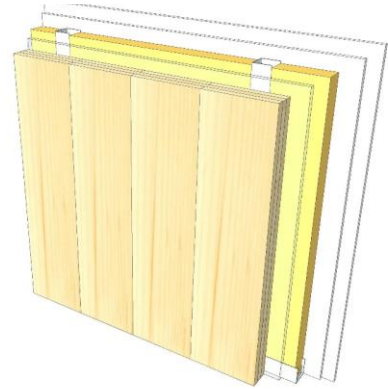
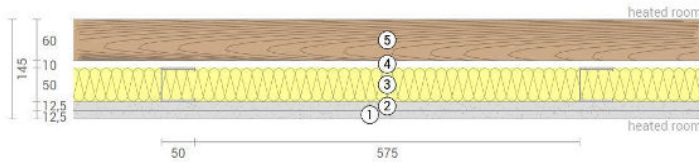
Thermal protection  
W/(m²K)  
**0,53**

Sound insulation  
dB  
**40**

Ecology  
kg CO<sub>2</sub> eq./m²  
**-31**

# IW 01 FF2

Interior wall / KLH® - CLT 60 TT  
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	60	KLH® - CLT

R*EI (fire attack on both sides)
<b>0</b> minutes

U-Value
<b>0,50</b> W/(m²K)

Rw
<b>49</b> (-2;-7) dB

Thickness
<b>145</b> mm
Mass per squaremeter
<b>50</b> kg/m²

Global warming potential
<b>-31</b> kg CO <sub>2</sub> eq./m²
Primary energy (n. renewable)
<b>61</b> kWh/m²

Link Ubakus  
[IW 01 FF2 Ubakus](#)

Link pre-dimensioning fire  
[KLH REI 0](#)

Fire protection  
R\*EI  
**0**

Thermal protection  
W/(m²K)  
**0,50**

Sound insulation  
dB  
**49**

Ecology  
kg CO<sub>2</sub> eq./m²  
**-31**