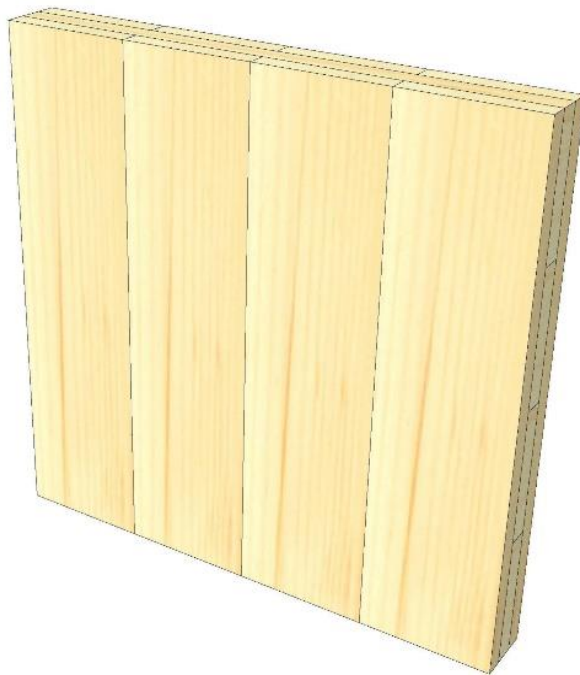
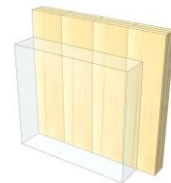


# IW 02

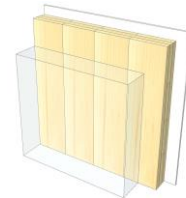
## KLH® 3s 100



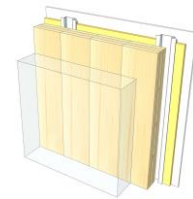
KLH® Visible



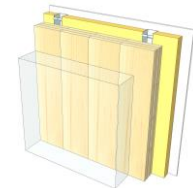
+ G



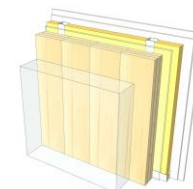
+ RP



+ FF



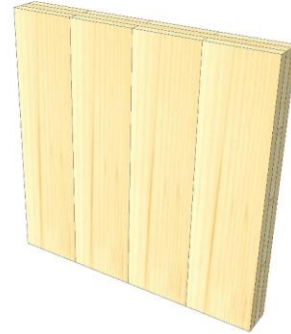
+ FF free / 2\*G



	KLH® Visible	+ G	+ RP	+ FF	+ FF free / 2*G
<b>Sound</b> $R_w$ [dB]	33	34	44	47	59
<b>Thermal</b> $U$ [W/m <sup>2</sup> K]	0,91	0,87	0,60	0,45	0,43
<b>Fire</b> $R^*EI$ [min]	30	30	30	30	30
<b>Thickness</b> [mm]	100	113	140	175	185
<b>Ecology</b> [kg CO <sub>2</sub> eq./m <sup>2</sup> ]	-67	-65	-62	-58	-58

# IW 02 V

Interior wall / KLH® - CLT 100 TT



No	mm	Material
1	100	KLH® - CLT

R*EI	(fire attack on both sides)
<b>30</b>	minutes

U-Value
<b>0,91</b> W/(m <sup>2</sup> K)

Rw
<b>33</b> (-1;-4) dB

Thickness
<b>100</b> mm
Mass per squaremeter
<b>47</b> kg/m <sup>2</sup>

Global warming potential
<b>-67</b> kg CO <sub>2</sub> eq./m <sup>2</sup>
Primary energy (n. renewable)
<b>39</b> kWh/m <sup>2</sup>

Link Ubakus  
[IW 02 V Ubakus](#)

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

Fire protection  
 R\*EI  
**30**

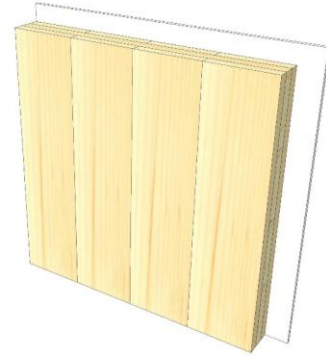
Thermal protection  
 W/(m<sup>2</sup>K)  
**0,91**

Sound insulation  
 dB  
**33**

Ecology  
 kg CO<sub>2</sub>eq./m<sup>2</sup>  
**-67**

# IW 02 G

Interior wall / KLH® - CLT 100 TT  
Cladded



No	mm	Material
1	12,5	Gt-F board
2	100	KLH® - CLT

R*EI (fire attack on both sides)
<b>30</b> minutes

U-Value
<b>0,87</b> W/(m²K)

Rw
<b>34</b> (-1;-4) dB

Thickness
<b>113</b> mm
Mass per squaremeter
<b>57</b> kg/m²

Global warming potential
<b>-65</b> kg CO <sub>2</sub> eq./m²
Primary energy (n. renewable)
<b>49</b> kWh/m²

Link Ubakus  
[IW 02 G Ubakus](#)

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

Fire protection  
R\*EI  
**30**

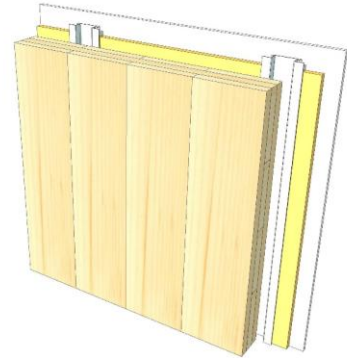
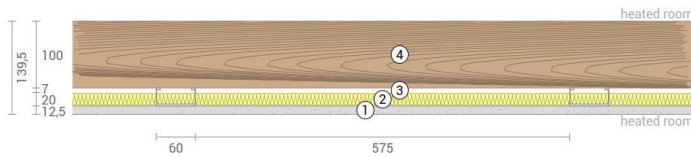
Thermal protection  
W/(m²K)  
**0,87**

Sound insulation  
dB  
**34**

Ecology  
kg CO<sub>2</sub>eq./m²  
**-65**

# IW 02 RP

Interior wall / KLH® - CLT 100 TT  
Resilient profile



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

R*EI (fire attack on both sides)
<b>30</b> minutes

U-Value
<b>0,60</b> W/(m²K)

Rw
<b>44</b> (-1;6) dB

Thickness
<b>140</b> mm
Mass per squaremeter
<b>58</b> kg/m²

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

Link Ubakus  
[IW 02 RP Ubakus](#)

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

Fire protection  
R\*EI  
**30**

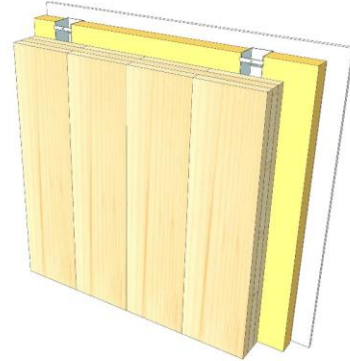
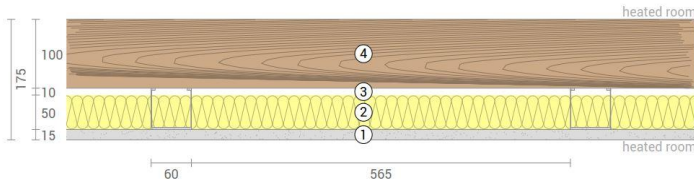
Thermal protection  
W/(m²K)  
**0,60**

Sound insulation  
dB  
**44**

Ecology  
kg CO<sub>2</sub> eq./m²  
**-62**

# IW 02 FF

Interior wall / KLH® - CLT 100 TT  
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

R*EI (fire attack on both sides)
<b>30</b> minutes

U-Value
<b>0,45</b> W/(m²K)

Rw
<b>47</b> (-2;-7) dB

Thickness
<b>175</b> mm
Mass per squaremeter
<b>63</b> kg/m²

Global warming potential
<b>-58</b> kg CO <sub>2</sub> eq./m²
Primary energy (n. renewable)
<b>73</b> kWh/m²

Link Ubakus  
[IW 02 FF Ubakus](#)

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

Fire protection  
R\*EI  
**30**

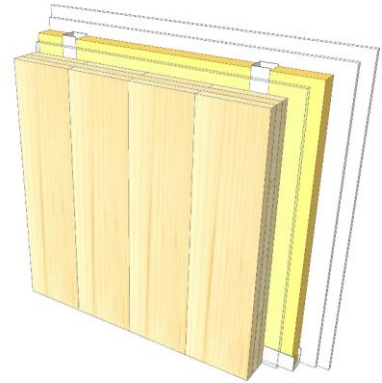
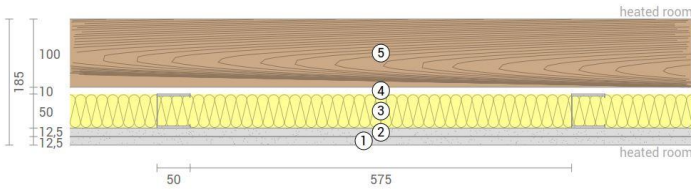
Thermal protection  
W/(m²K)  
**0,45**

Sound insulation  
dB  
**47**

Ecology  
kg CO<sub>2</sub> eq./m²  
**-58**

# IW 02 FF2

Interior wall / KLH® - CLT 100 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	100	KLH® - CLT

R*EI (fire attack on both sides)
<b>30</b> minutes

U-Value
<b>0,43</b> W/(m²K)

Rw
<b>59</b> (-2;-9) dB

Thickness
<b>185</b> mm
Mass per squaremeter
<b>69</b> kg/m²

Global warming potential
<b>-58</b> kg CO <sub>2</sub> eq./m²
Primary energy (n. renewable)
<b>77</b> kWh/m²

Link Ubakus  
[IW 02 FF2 Ubakus](#)

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

Fire protection  
R\*EI  
**30**

Thermal protection  
W/(m²K)  
**0,43**

Sound insulation  
dB  
**59**

Ecology  
kg CO<sub>2</sub> eq./m²  
**-58**