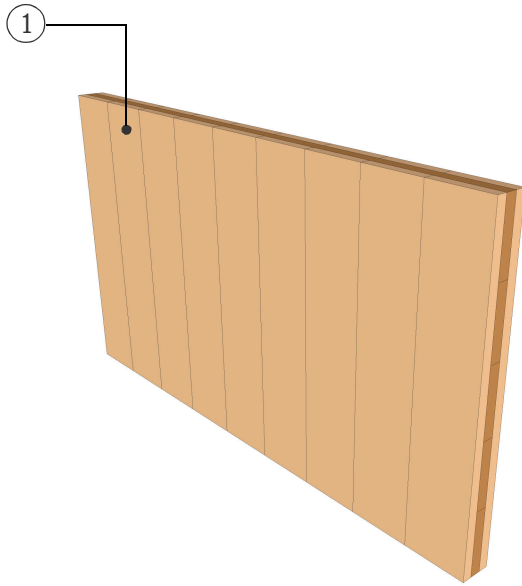


DATASHEET

KLH 3S 100 TT

KLH12.02

WALL SLAB



FIRE RESISTANCE

Pre-dimensioning for fire attack on both sides

R*EI 30 > 3s 80 TT

R*EI 60 > 3s 80 TT+15 Gt-F

R*EI 90 > 3s 120 TT+15 Gt-F

*For residual load capacity or alternative design see <https://www.klhdesigner.at/>

SOUND INSULATION

R_w (C;C_{tr}) 33 (-1;-3) [dB]

<https://www.klh.at/en/online-component-catalogue/>

THERMAL PROTECTION

U 1,00 [W/m²K]

m_{w,B,A} 31 [kg/m²]

MATERIAL

PROPERTIES

	[mm]	λ [W/mK]	μ min-max [-]	ρ [kg/m³]	c [kJ/kgK]	
①	100.0 TT, KLH solid timber slab	0.12	50 - 300	470	1.6	D

Thickness 100,0 [mm]

Mass per squaremeter ca. 47 [kg/m²]

Test report sound: HFA 1101/2012-BB/P 3.11
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty