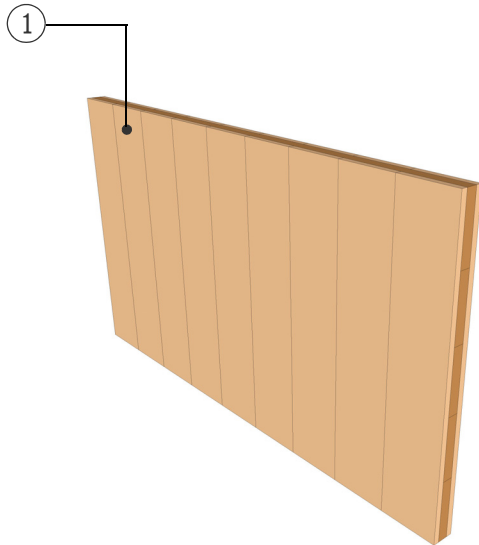


DATASHEET

KLH 3S 60 TT

KLH18.01

WALL ELEMENT



FIRE RESISTANCE

(R)EI **30 [min]**

With the application of 12,5 mm gypsum fiberboard on both sides, the fire resistance (R-criteria/structural resistance) up to 30 minutes applies for an effective wall height of 2.95 m with fire exposure from two sides. Should the planking material or the thickness deviate from stated information and a detailed examination of the actual load be required, please consult with a competent structural engineer of the KLH technical team.

SOUND INSULATION

R_w (C;C_{tr}) **29 (-1;-3) [dB]**

THERMAL CHARACTERISTICS

U **1,49 [W/m²K]**

m_{w,B,A} **22 [kg/m²]**

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m³]	c [kJ/kgK]	
①	60.0	3s TT, KLH solid timber slab	0.12	50 - 300	500	1.6	D

Thickness **60,0 [mm]**

Mass per squaremeter **ca. 30 [kg/m²]**

Test report sound: HFA_21082018
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty