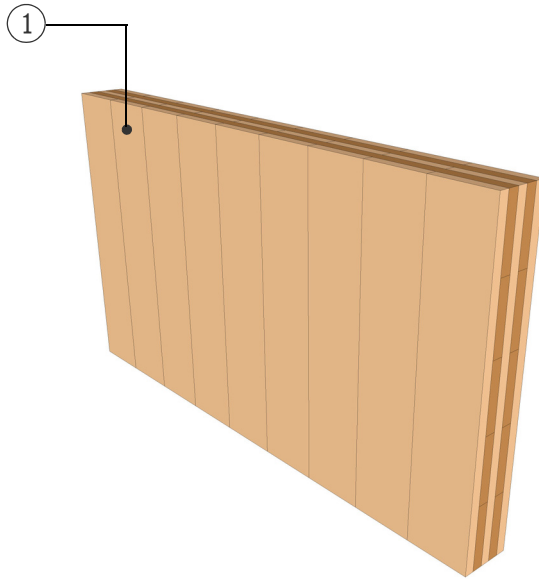


DATASHEET

KLH 5S 160 TT

KLH12.04

WALL PANEL



FIRE RESISTANCE

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

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}) **39 (-1;-4)** [dB]

THERMAL CHARACTERISTICS

U **0,67** [W/m²K]

m_{w,B,A} **35** [kg/m²]

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m ³]	c [kJ/kgK]	
①	160.0	5s TT, KLH solid timber slab	0.12	50 - 300	500	1.6	D

Thickness 160,0 [mm]

Mass per square meter ca. 80 [kg/m²]

Test report sound: HFA 1101/2012-BB/P 3.13
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty