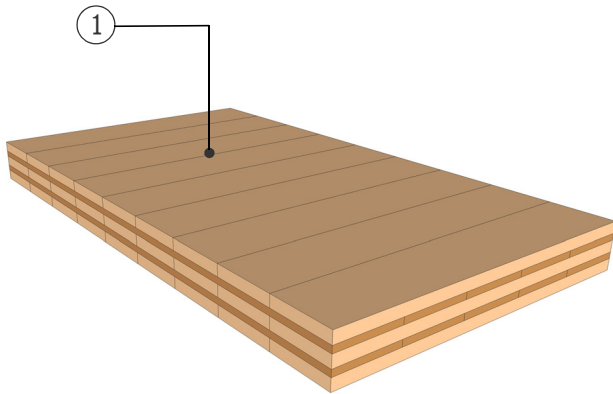


DATASHEET

KLH 5S 140 TL

KLH08.02

FLOOR SLAB



FIRE RESISTANCE

(R)EI 90 [min]

The fire resistance (R-criteria/structural resistance) up to 90 minutes applies for a maximum floor span of 4.0 m and given conditions with a fire exposure from one side. 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

$D_{nT,w}$ (C; C_{tr}) 34 (0;-3) [dB]

$L'_{nT,w}$ (C_l) 85 (-5) [dB]

THERMAL CHARACTERISTICS

U 0,75 [W/m²K]

$m_{w,B,A}$ 34 [kg/m²]

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m ³]	c [J/kgK]	
①	140.0	5s TL, KLH solid timber slab	0.12	50 - 300	500	1.6	D

Thickness 140,0 [mm]

Mass per squaremeter ca. 70 [kg/m²]

Prüfbericht Schall: HFA 2151/2008/1-BG
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty