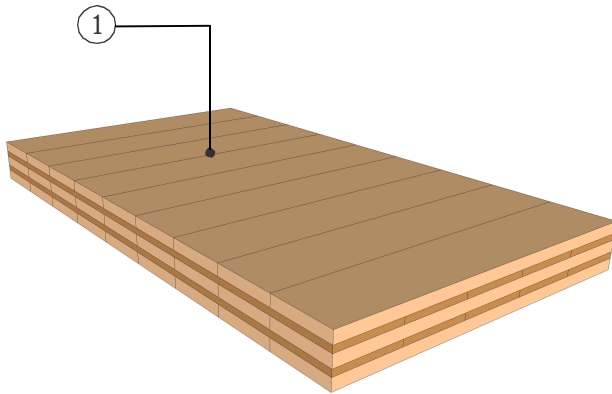


DATASHEET

KLH 5S 140 TL

KLH08.02

FLOOR SLAB



FIRE RESISTANCE

Pre-dimensioning one-sided fire attack

R*EI 30 > 3s 80 TL

R*EI 60 > 5s 120 TL

R*EI 90 > 5s 150 TL

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

SOUND INSULATION

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

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

<https://www.klh.at/online-bauteilkatalog/>

THERMAL PROTECTION

U 0,75 [W/m²K]

$m_{w,B,A}$ 34 [kg/m²]

MATERIAL

PROPERTIES

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

Thickness 140,0 [mm]

Mass per squaremeter ca. 66 [kg/m²]

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