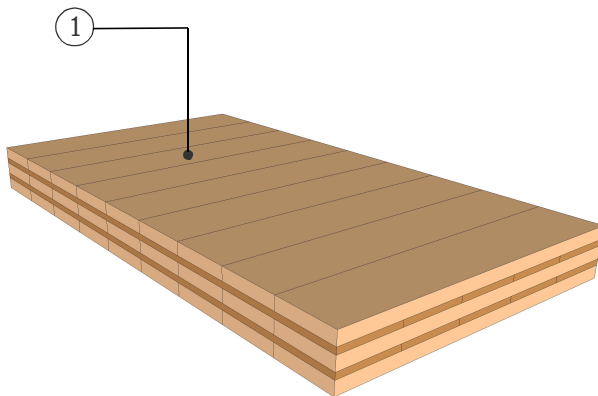


DATASHEET

KLH 5S 160 TL

KLH08.01

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<sub>tr</sub>) 33 (-1;-2) [dB]

$L'_{nT,w}$  (C<sub>i</sub>) 79 (-4) [dB]

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

THERMAL PROTECTION

U 0,67 [W/m<sup>2</sup>K]

$m_{w,B,A}$  35 [kg/m<sup>2</sup>]

MATERIAL

PROPERTIES

	[mm]	$\lambda$ [W/mK]	$\mu$ min-max [-]	$\rho$ [kg/m <sup>3</sup> ]	$c$ [kJ/kgK]	
①	160.0 TL, KLH solid timber slab	0.12	50 - 300	470	1.6	D

Thickness 160,0 [mm]

Mass per squaremeter ca. 75 [kg/m<sup>2</sup>]

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