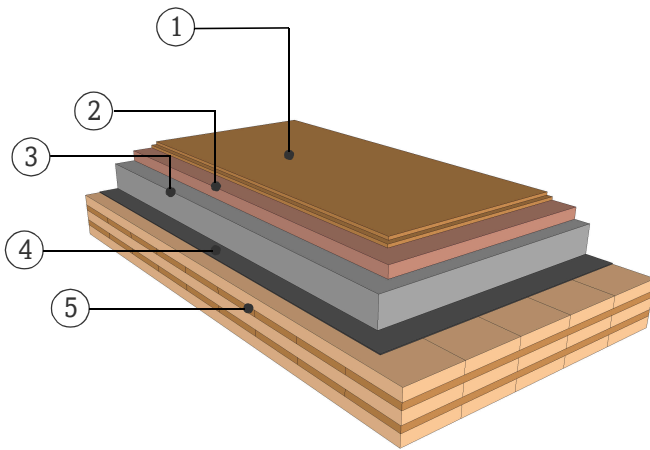


DATASHEET

COMPARTMENT FLOOR WITH DRY SCREED

GD17.01

MEASUREMENT INCL. ELASTIC LAYER



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>) 62 (-1;-4) [dB]

$L'_{nT,w}$  (C<sub>i</sub>) 47 (2) [dB]

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

THERMAL PROTECTION

U 0,40 [W/m<sup>2</sup>K]

$m_{w,B,A}$  36/49 [kg/m<sup>2</sup>]

MATERIAL

PROPERTIES

	[mm]		$\lambda$ [W/mK]	$\mu$ min-max [-]	$\rho$ [kg/m <sup>3</sup> ]	$c$ [kJ/kgK]	
①	31.0	Schallfresser dry screed	0.19	5	1425	1	A1
②	40.0	Impact sound insulation, wood fiberboard	0.045	3 - 5	200-250	2.1	E
③	100.0	Shale fill	0.9	1	1500	1	A1
④		Separating layer					
⑤	160.0	TL, KLH solid timber slab	0.12	50 - 300	470	1.6	D

Thickness 331,0 [mm]

Mass per squaremeter ca. 285 [kg/m<sup>2</sup>]

Test report sound: Universität Innsbruck\_11 2017  
Calculation of the physical values by the  
KLH Massivholz GmbH, without warranty