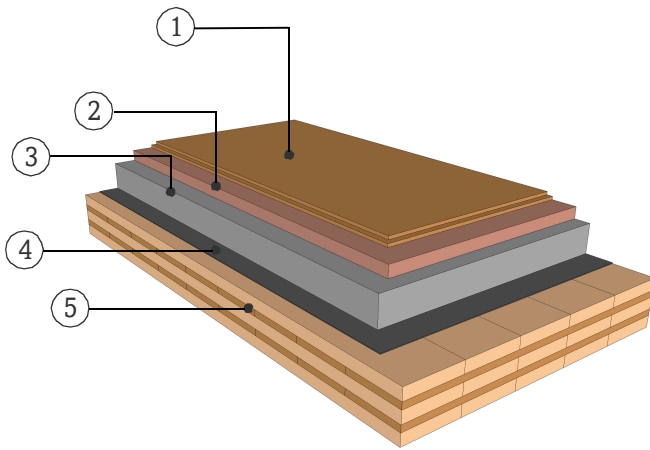


DATASHEET

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_{tr}) 62 (-1;-4) [dB]

$L'_{nT,w}$ (C_i) 47 (2) [dB]

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

THERMAL PROTECTION

U 0,40 [W/m²K]

$m_{w,B,A}$ 36/49 [kg/m²]

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m ³]	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/m²]

Test report sound: Universität Innsbruck_11 2017
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty