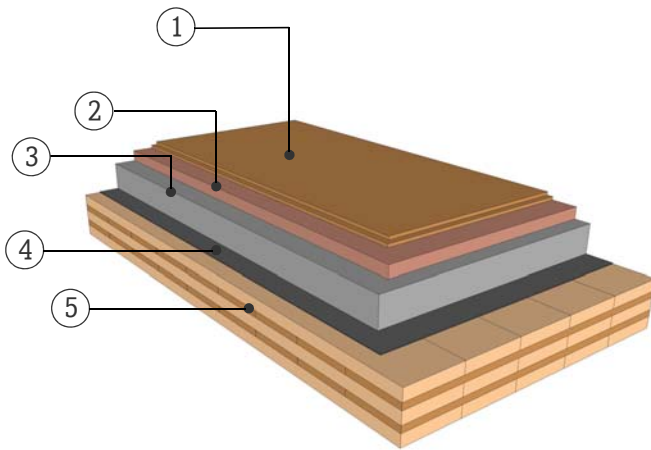


DATASHEET

COMPARTMENT FLOOR WITH DRY SCREED

GD17.01

MEASUREMENT INCL. ELASTIC LAYER



FIRE RESISTANCE

(R)EI 90 [min]

The fire resistance (R-criteria/structural resistance) up to 90 minutes applies for a maximum floor span of 4.2 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

R'w (C;C_{tr}) 62 (-1;-4) [dB]

L' n,w (C_i) 47 (2) [dB]

THERMAL CHARACTERISTICS

U 0,40 [W/m²K]

m_{w,B,A} 36/49 [kg/m²]

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m³]	c [kJ/kgK]	
①	31.0	Schallfresser Estrich	0.19	5	1425	1	A1
②	40.0	HWF Trittschalldämmung	0.045	3 - 5	200-250	2.1	E
③	100.0	Schiefersteinschüttung	0.9	1	1500	1	A1
④		Trennlage					
⑤	160.0	5s DL, KLH Massivholzplatte	0.12	50 - 300	500	1.6	D

Thickness 331,0 [mm]

Mass per square meter ca. 285 [kg/m²]

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