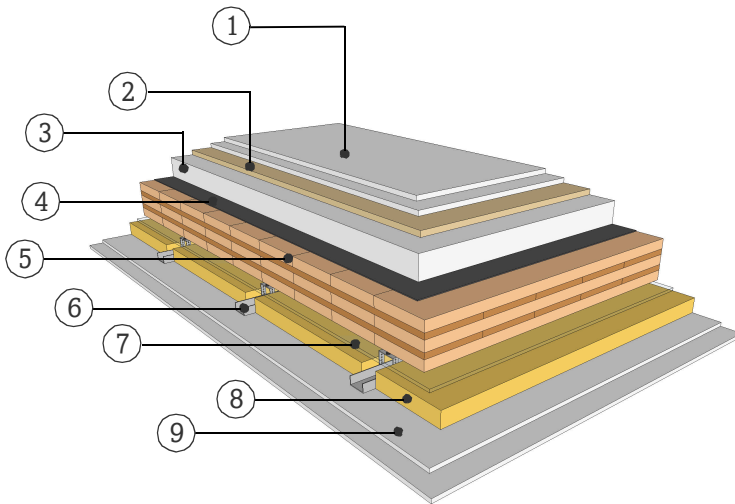


DATASHEET

COMPARTMENT FLOOR WITH DRY SCREED

GD14.06A

SUSPENDED CEILING ON RESILIENT CLIPS



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

$R_w (C;C_{tr})$  66 (-2;-8) [dB]

$L_{n,w} (C_i)$  51 (1) [dB]

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

THERMAL PROTECTION

$U$  0,31 [W/m<sup>2</sup>K]

$m_{w,B,A}$  31/45 [kg/m<sup>2</sup>]

MATERIAL

PROPERTIES

	[mm]		$\lambda$ [W/mK]	$\mu$ min-max [-]	$\rho$ [kg/m <sup>3</sup> ]	$c$ [kJ/kgK]	
①	18.0	Gypsum fiberboard dry screed	0.25	17	1250	1	A1
②	8.0	Impact sound insulation, wood fiberboard	0.07	5	250	2.5	E
③	60.0	Dry fill, PA Knauf	0.23	2	490	1	
④		Separating layer					
⑤	150.0	TL, KLH solid timber slab	0.12	50 - 300	470	1.6	D
⑥	60.0	Light weight C-profiles on resilient clips					A1
⑦	10.0	Air gap					
⑧	50.0	Mineral wool, low density	0.04	1	15-30	1	A1
⑨	25.0	Gypsum fiberboard	0.25	10	1000	1.1	A2

Thickness 321,0 [mm]

Mass per squaremeter ca. 160 [kg/m<sup>2</sup>]

Test report sound: HFA 2592/2014-BB  
Calculation of the physical values by the  
KLH Massivholz GmbH, without warranty