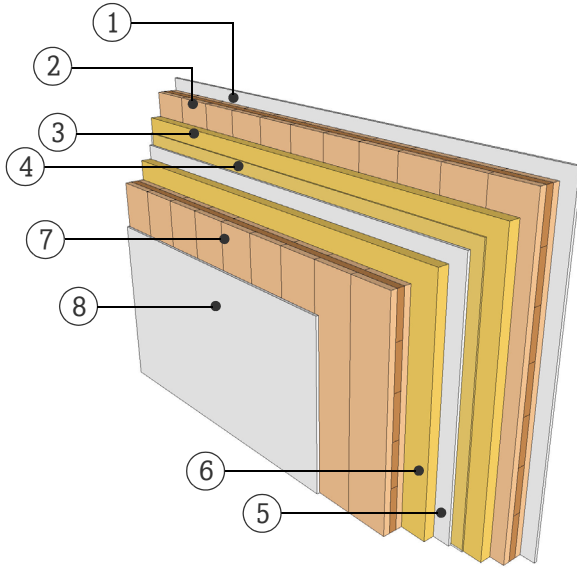


DATASHEET

PARTITION WALL

WTW07.01

TWO SEPARATE LAYER



FIRE RESISTANCE

(R)EI 60 [min]

With the application of 15 mm gypsum fiberboard on both sides, the fire resistance (R-criteria/structural resistance) up to 60 minutes applies for an effective wall height of 2.95 m with fire exposure from two sides. 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}) 66 (-8;-19) [dB]

THERMAL CHARACTERISTICS

U 0,23 [W/m²K]

m_{w,B,A} 39/39 [kg/m²]

MATERIAL

PROPERTIES

[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m³]	c [kJ/kgK]	
①	12.5 Gypsum plasterboard	0.25	10	680	0.96	A2
②	95.0 3s TT, KLH solid timber slab	0.12	50 - 300	500	1.6	D
③	50.0 Insulation panels, Heralan	0.041	1	25 - 40	0.9	B
④	7.5 Air gap					
⑤	12.5 Gypsum plasterboard	0.25	10	680	0.96	A2
⑥	50.0 Insulation panels, Heralan	0.041	1	25 - 40	0.9	B
⑦	95.0 3s TT, KLH solid timber slab	0.12	50 - 300	500	1.6	D
⑧	12.5 Gypsum plasterboard	0.25	10	680	0.96	A2

Thickness 335,0 [mm]

Mass per square meter ca. 125 [kg/m²]

Test report sound: TU-Graz B07.851.029.320
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty