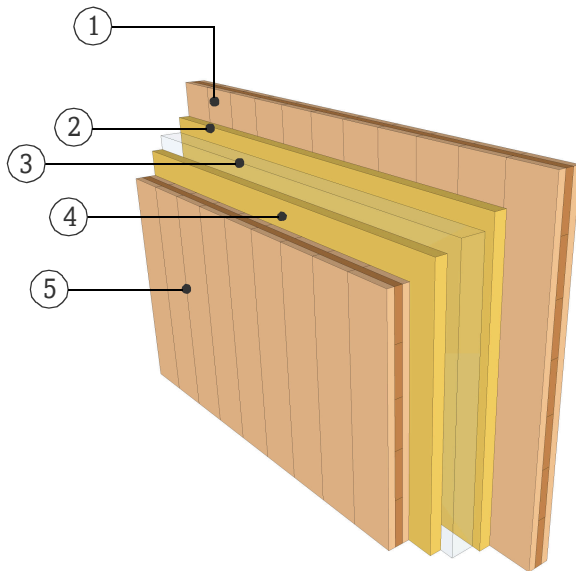


DATASHEET

PARTITION WALL

WTW12.03

TWO SEPARATE LAYER



FIRE RESISTANCE

Pre-dimensioning for fire attack on both sides

R*EI 30 > 3s 80 TT

R*EI 60 > 5s 100 TT

R*EI 90 > 5s 120 TT

*For residual load capacity or alternative design see <https://www.klhdesigner.at/>

SOUND INSULATION

$R_w (C;C_{tr})$ 64 (-5;-9) [dB]

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

THERMAL PROTECTION

U 0,19 [W/m²K]

$m_{w,B,A}$ 38/38 [kg/m²]

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m³]	c [kJ/kgK]	
①	100.0	TT, KLH solid timber slab	0.12	50 - 300	470	1.6	D
②	50.0	Mineral wool, low density	0.04	1	15-30	1	A1
③	100.0	Air gap					
④	50.0	Mineral wool, low density	0.04	1	15-30	1	A1
⑤	100.0	TT, KLH solid timber slab	0.12	50 - 300	470	1.6	D

Thickness 400,0 [mm]

Mass per squaremeter ca. 105 [kg/m²]

Test report sound: HFA 1252/2012-BB
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty