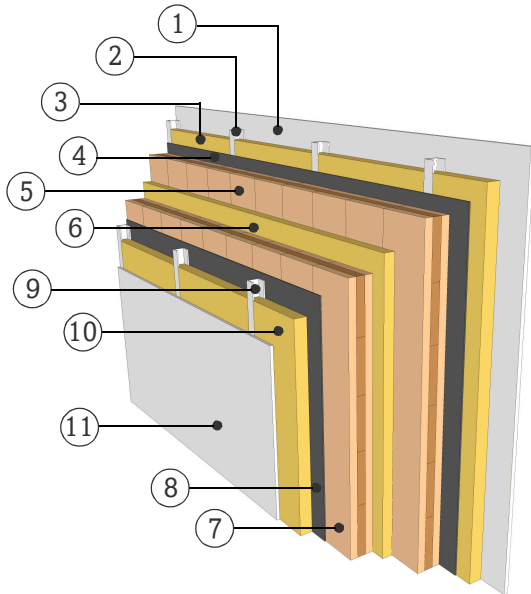


DATASHEET

PARTITION WALL

WTW06.01

TWO SEPARATE LAYER, FACING FORMWORK



FIRE RESISTANCE

Pre-dimensioning for fire attack on both sides

R*EI 30 > 3s 80 TT

R*EI 60 > 3s 80 TT+15 Gt-F

R*EI 90 > 5s 120 TT

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

SOUND INSULATION

$D_{nT,w} (C;C_{tr})$ 69 (-9;-17) [dB]

<https://www.klh.at/en/online-component-catalogue/>

THERMAL PROTECTION

U 0,20 [W/m²K]

$m_{w,B,A}$ 15/15 [kg/m²]

MATERIAL

PROPERTIES

	[mm]		λ [W/mK]	μ min-max [-]	ρ [kg/m³]	c [kJ/kgK]	
①	12.5	Gypsum fiberboard	0.21	8	900	1.05	A2
②	50.0	Light weight C-profiles on swinging hoops					A1
③	50.0	Mineral wool, low density	0.038	1	40	0.9	A1
④		Wind barrier					
⑤	80.0	TT, KLH solid timber slab	0.12	50 - 300	470	1.6	D
⑥	40.0	Mineral wool, low density	0.04	1	15-30	1	A1
⑦	80.0	TT, KLH solid timber slab	0.12	50 - 300	470	1.6	D
⑧		Wind barrier					
⑨	50.0	Light weight C-profiles on swinging hoops					A1
⑩	50.0	Mineral wool, low density	0.038	1	40	0.9	A1
⑪	12.5	Gypsum fiberboard	0.21	8	900	1.05	A2

Thickness 325,0 [mm]

Mass per squaremeter ca. 115 [kg/m²]

Test report sound: In-situ measurement Mühlweg TGM-VA AB 11212
Calculation of the physical values by the
KLH Massivholz GmbH, without warranty