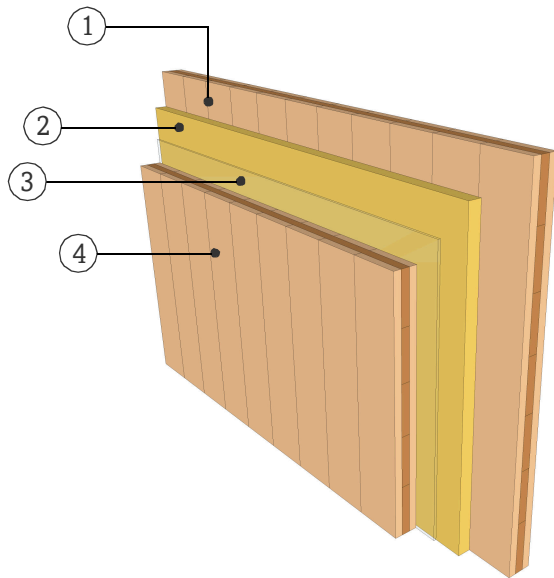


**DATASHEET**

**PARTITION WALL**

**WTW12.01**

**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<sub>w</sub> (C;C<sub>tr</sub>)** 60 (-4;-8) [dB]

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

**THERMAL PROTECTION**

**U** 0,32 [W/m<sup>2</sup>K]

**m<sub>w,B,A</sub>** 37/37 [kg/m<sup>2</sup>]

**MATERIAL**

**PROPERTIES**

	[mm]		$\lambda$ [W/mK]	$\mu$ min-max [-]	$\rho$ [kg/m <sup>3</sup> ]	$c$ [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	10.0	Air gap					
④	100.0	TT, KLH solid timber slab	0.12	50 - 300	470	1.6	D

Thickness 260,0 [mm]

Mass per squaremeter ca. 105 [kg/m<sup>2</sup>]

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