# dataholz.eu

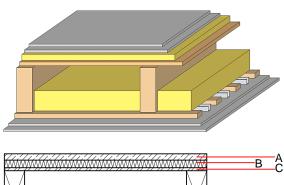
Designation: Last updated: Source: Editor: gdrtxa03b-00 8/2/23 Holzforschung Austria HFA, SP

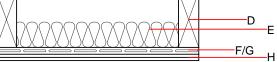
### Intermediate floor - gdrtxa03b-00

intermediate floor, timber frame construction, suspended, dry, without filling, other surface

### Performance rating

Fire protection performance maximum span = 5 m; ma Classified by HFA	<b>REI</b> ximum load E <sub>d,fi</sub> = 3,66 kN/	<b>60</b> Ym²
Thermal performance	U Diffusion	0.26 W∕(m <sup>2</sup> K) suitable
Acoustic performance	R <sub>w</sub> (C;C <sub>tr</sub> ) L <sub>n,w</sub> (C <sub>l</sub> )	64(-3;-10) dB 52(2)
<b>Mass per unit area</b> Calculation based on GF	m	72.30 kg/m <sup>2</sup>





Note: e=625;

#### Register of building materials used for this application, cross-section (from outside to inside, dimensions in mm)

	Thickness	Building material	Thermal pe	rformance			Reaction to fire
			λ	µ min – max	ρ	с	EN
٩	25.0	dry screed	0.210	8	900	1.050	A1
3	30.0		0.040	1	180	1.030	A1
2	18.0	OSB	0.130	200	600	1.700	D
)	220.0	construction timber (80/; e=625) (80/; e=*)	0.120	50	450	1.600	D
	100.0	mineral wool [040; ≥16; <1000 °C]	0.040	1	16	1.030	A1
	24.0	spruce wood cladding with spacing of cladding boards(24/100); a=400	0.120	50	450	1.600	D
5	27.0	resilient channel (placed between open formwork)	0.156				
ł	25.0	gypsum plaster board type DF (2x12,5 mm) or	0.250	10	800	1.050	A2
ł	25.0	gypsum fibre board (2x12,5 mm)	0.320	21	1000	1.100	A2

#### Sustainability rating (per m<sup>2</sup>)

Database ecoinvent

OI3<sub>Kon</sub>

Calculated by HFA

34.1

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#### Details of sustainability rating

#### Database ecoinvent

Lifecycle	GWP	AP	EP	ODP	POCP	
(Phases)	[kg CO <sub>2</sub> -e.]	[kg SO <sub>2</sub> -e.]	[kg PO <sub>4</sub> -e.]	[kg R11-e.]	[kg Ethen-e.]	
A1 - A3		0.144	0.055	2,53E-6	0.039	
		05014	DEDT	DENDE	DENIDA	DENDE
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
Lifecycle (Phases)	PERE [MJ]	[MJ]	[MJ]	[MJ]	[MJ]	[MJ]

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