

Designation: gdrtxn03a-06 Last updated: 8/2/23

Source: Holzforschung Austria

Editor: HFA, SP

Intermediate floor - gdrtxn03a-06

intermediate floor, timber frame construction, not suspended, dry, without filling, other surface

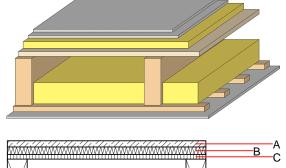
Performance rating

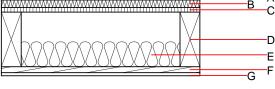
Fire protection

Mass per unit area

Calculation based on GF

30





Note: e=625;

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

 63.90 kg/m^2

	Thickness	Building material	Thermal performance				Reaction to fire	
			λ	μ min – max	ρ	С	EN	
Α	25.0	dry screed	0.210	8	900	1.050	A1	
В	30.0	impact sound absorbing subflooring MW-T	0.035	1	68	1.030	A1	
С	19.0	particleboard	0.130	50 - 100	700	1.700	D	
D	220.0	construction timber (80/; e=*)	0.120	50	450	1.600	D	
Е	100.0	sheep wool [0,041; R=16]	0.041	1	16	1.720	E	
F	24.0	spruce wood cladding with spacing of cladding boards(24/100); a=400 $$	0.120	50	450	1.600	D	
G	12.5	gypsum plaster board type DF or	0.250	10	800	1.050	A2	
G	12.5	gypsum fibre board	0.320	21	1000	1.100	A2	

Sustainability rating (per m²)

Database ecoinvent

Ol3_{Kon} 24.5

Calculated by HFA



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Details of sustainability rating

Database ecoinvent

Lifecycle	GWP	AP	EP	ODP	POCP	
(Phases)	[kg CO ₂ -e.]	[kg SO ₂ -e.]	[kg PO ₄ -e.]	[kg R11-e.]	[kg Ethen-e.]	
A1 - A3		0.100	0.044	2,22E-6	0.022	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
(Phases)	[MJ]	[MJ]	[MJ]	[MJ]	[MJ]	[MJ]
A1 - A3	66.686	505.853	572.539	429.224	29.529	458.753