dataholz.eu

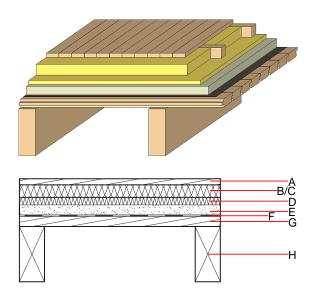
Performance rating

Designation: Last updated: Source: Editor: gdstxx02-01 8/2/23 Holzforschung Austria HFA, SP

Intermediate floor - gdstxx02-01

intermediate floor, exposed beams, without lining, dry, with filling, wooden surface

L _{n,w} (C _l)	62(2)
R _w (C;C _{tr})	56(-5;-11) dB



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
4		spruce wood 3-strip parquet	0.120	50	450	1.600	D
3	50.0	spruce wood sleeper (50/80; e=600)	0.120	50	450	1.600	D
С	50.0	mineral wool [040; ≥16; <1000°C]	0.040	1	16	1.030	A1
C	30.0	impact sound absorbing subflooring EPS-T	0.040	20 - 50	11	1.450	E
	40.0	fill	0.700	1	1800	1.000	A1
:		trickling protection					E
Ĵ	40.0	planking spruce wood	0.120	50	450	1.600	D
Н		construction timber floor joists (in acc. with structural design)	0.120	50	450	1.600	D

Sustainability rating (per m²)

Database ecoinvent

OI3_{Kon}

Calculated by HFA

8.1

dataholz.eu

Designation: Last updated: Source: Editor: gdstxx02-01 8/2/23 Holzforschung Austria HFA, SP

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		0.075	0.032	1,07E-6	0.027	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
(Phases)	[MJ]	[M]	[LM]	[LM]	[MJ]	[MJ]
A1 - A3	133.821	744.107	877.928	217.958	17.022	234.980

dataholz.eu – Catalogue of timber building materials, components and component connections reviewed to consider thermal, acoustic, fire performance requirements and ecological drivers for timber construction released by accredited testing institutes. These datasheets will generally be accepted as proofs of compliance by building authorities.