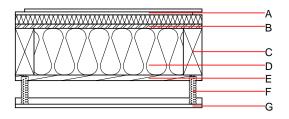
dataholz.eu

Intermediate floor - gdrtxa06a-00

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

Performance rating

Fire protection performance	REI	60
maximum span = 5 m; max Classified by HFA	imum load Ed,fi = 3,6 kN∕r	n²
Thermal performance	U Diffusion	0.16 W/(m ² K)
Calculated by IBO		
Acoustic performance	R _w (C;C _{tr}) L _{n,w} (C _l)	66(-6;-15) dB 52(1)
Assessed by HFA		
Mass per unit area	m	91.60 kg/m ²



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

	Thickness	Building material	Thermal per	Reaction to fire			
			λ	µ min – max	ρ	с	EN
4	65.0	Rigidur flooring element 65 MW					A2
3	18.0	OSB	0.130	200	600	1.700	D
2	200.0	construction timber (80/; e=625)	0.120	50	450	1.600	D
)	200.0	ISOVER Ultimate	0.035	1	20	1.030	A1
	24.0	spruce wood open formwork (24/100, a=400)	0.120	50	450	1.600	D
	60.0	Rigips acoustic direct hanger with CD 60/27					
5	15.0	Rigips Riduro	0.250	4 - 10	1000	1.050	A2

Sustainability rating (per m²)

Database ecoinvent

OI3_{Kon} Calculated by IBO 53.6

dataholz.eu

Designation: Last updated: Source: Editor: gdrtxa06a-00 8/2/23 Saint-Gobain Austria GmbH

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		0.224	0.095	4,36E-6	0.033	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
(Phases)	[M]	[M]	[LM]	[LM]	[MJ]	[M]
A1 - A3	202.605	457.730	660.336	740.080	14.338	754.418

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.