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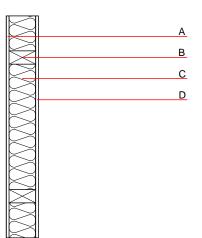
iwrxxo12a-02 8/2/23 Saint-Gobain Austria GmbH HFA, SP

Internal wall - iwrxxo12a-02

internal wall, timber frame construction, without dry lining, other surface

Performance rating

Fire protection performance	REI	60
maximum ceiling height = Classified by HFA	3 m; maximum	load $E_{d,fi}$ = 23,4 kN/m
Acoustic performance	R _w (C;C _{tr}) L _{n,w} (C _l)	39 dB
		d on a length-related flow resistance of insulation material used, the Rw value
Mass per unit area	m	34.90 kg/m ²



Note: The fire resistance is only valid when wall is used as partition with only one side exposed to fire.

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

9.7

	Thickness	Building material	Thermal pe	rformance			Reaction to fire
			λ	µ min – max	ρ	с	EN
А	12.5	Rigips Riduro	0.250	4 - 10	1000	1.050	A2
В	120.0	construction timber (60/; e=625)	0.120	50	450	1.600	D
С	120.0	Hemp insulation [040; 30]	0.040	1 - 2	30	2.200	E
D	12.5	Rigips Riduro	0.250	4 - 10	1000	1.050	A2

Sustainability rating (per m²)

Database ecoinvent

OI3_{Kon}

Calculated by IBO

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		0.035	0.017	1,14E-6	0.006	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
(Dhases)	[LM]	[M]	[M]	[LM]	[M]	[MJ]
(Phases)						

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.