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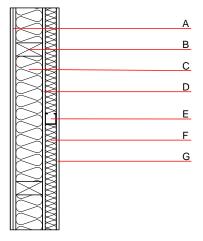
iwrxxi02b-01 8/2/23 Saint-Gobain Austria GmbH HFA, SP

Internal wall - iwrxxi02b-01

internal wall, timber frame construction, with dry lining, other surface

Performance rating

Fire protection performance	REI	90
maximum ceiling height = Classified by HFA	= 3 m; maximum loa	d $E_{d,fi} = 19 \text{ kN/m}$
Acoustic performance	R _w (C;C _{tr}) L _{n,w} (C _l)	57 dB
		n a length-related flow resistance of ulation material used, the Rw value
Mass per unit area	m	74.60 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)

	Thickness	Building material	Thermal pe	rformance			Reaction to fire
			λ	µ min – max	ρ	с	EN
А	25.0	Rigips Riduro 2x mm	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	ISOVER Multi-Kombi Holzrahmenfilz	0.033	1	11	1.030	A1
D	25.0	Rigips Riduro 2x	0.250	4 - 10	1000	1.050	A2
Е	50.0	RigiProfil >50mm; resilient channel					
F	50.0	mineral wool [040; 50; ≥1000°C]	0.040	1	50	1.030	A1
G	12.5	Rigips Riduro	0.250	4 - 10	1000	1.050	A2

Sustainability rating (per m²)

Database ecoinvent

OI3_{Kon}

Calculated by IBO

28.1

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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		0.092	0.042	2,74E-6	0.013	
	PERE	PERM	PERT	PENRE	PENRM	PENRT
Lifecycle	FERE	1 2100				
(Phases)	[MJ]	[MJ]	[MJ]	[MJ]	[MJ]	[MJ]

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.