# dataholz.eu

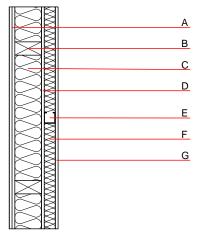
iwrxxi02b-02 8/2/23 Saint-Gobain Austria GmbH HFA, SP

## Internal wall - iwrxxi02b-02

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

### Performance rating

Fire protection performance maximum ceiling height = Classified by HFA	<b>REI</b> 3 m; maximum le	<b>90</b> bad $E_{d,fi} = 19 kN/m$
Acoustic performance	R <sub>w</sub> (C;C <sub>tr</sub> ) L <sub>n,w</sub> (C <sub>l</sub> )	63 dB
		on a length-related flow resistance of isulation material used, the Rw value
Mass per unit area	m	93.00 kg∕m <sup>2</sup>



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	30.0	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 Ultimate	0.035	1	20	1.030	A1
D	30.0	Rigips Riduro 2x	0.250	4 - 10	1000	1.050	A2
Е	50.0	RigiProfil >50mm; resilient channel					
F	50.0	mineral wool [040; 11; <1000 °C]	0.040	1	11	1.030	A1
G	25.0	Rigips Duo Tech	0.250	4 - 10	800	1.050	A2

## Sustainability rating (per m<sup>2</sup>)

#### Database ecoinvent

OI3<sub>Kon</sub>

Calculated by IBO

32.3

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Designation: Last updated: Source: Editor: iwrxxi02b-02 8/2/23 Saint-Gobain Austria GmbH HFA, SP

### Details of sustainability rating

#### Database ecoinvent

Lifecycle	GWP	AP	EP	ODP	POCP	
(Phases)	[kg CO <sub>2</sub> -e.]	[kg SO <sub>2</sub> -e.]	[kg PO <sub>4</sub> -e.]	[kg R11-e.]	[kg Ethen-e.]	
A1 - A3		0.101	0.048	3,23E-6	0.015	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
(Phases)	[LM]	[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.