# dataholz.eu

Designation: Last updated: Source: Editor: awrhhi13a-02 8/2/23 KRONOSPAN OSB, spol. s r. o. HFA, SP

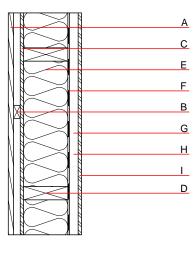
### External wall - awrhhi13a-02

external wall, timber frame construction, ventilated, with dry lining, with cladding, wooden surface

#### Performance rating

Fire protection performance maximum ceiling height = Classified by HFA	REI from inside REI from outside 3 m; maximum load E <sub>d,fi</sub> = 3	30 30 32 kN∕m
Thermal performance	U Diffusion	0.20 W∕(m <sup>2</sup> K) suitable
Calculated by HFA		
Acoustic performance	R <sub>w</sub> (C;C <sub>tr</sub> ) L <sub>n,w</sub> (C <sub>l</sub> )	48(-3;-10) dB
	ation level are screwed to th arried out vertically and scre	e structural timber and the ewed to the structural timber

Mass per unit area m



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

 $57.00 \text{ kg/m}^2$ 

	Thickness	Building material	Thermal pe	rformance			Reaction to fire
			λ	µ min – max	ρ	с	EN
ł	24.0	larch wood external wall cladding	0.155	150	600	1.600	D
3	30.0	spruce wood battens offset (30/50; 30/80) - ventilation	0.120	50	450	1.600	D
2	15.0	OSB	0.130	200	600	1.700	D
)	200.0	construction timber (60/; e=625)	0.120	50	450	1.600	D
-	200.0	Cellulose fibre [040; 50]	0.040	1	50	2.000	E
-		vapour barrier sd≥ 4m			1000		
Ĵ	40.0	spruce wood cross battens 40/60mm (a=400)	0.120	50	450	1.600	D
ł	40.0	air layer	0.000	1	1	1.008	
	16.0	Kronospan OSB-Firestop	0.110	150 - 170	660	1.700	В

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

Database ecoinvent

**OI3<sub>Kon</sub>** Calculated by HFA 15.2

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#### 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		0.108	0.044	1,59E-6	0.025	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
Enceyere						
(Phases)	[LM]	[MJ]	[LM]	[LM]	[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.