

Manufacturer: Binderholz Bausysteme GmbH
Product: Cross-laminated timber (X-Lam)
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This product can support collecting BREEAM-NOR credits.

Indoor climate

Emissions of gases
 Odor dissatisfaction (voluntary, does not contribute to points)



Hazardous substances

Hazardous substances



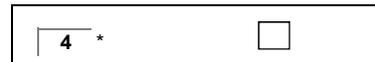
Resource usage

Renewable / non-renewable materials
 Energy



Greenhouse effect

Global Warming Potential



Basis for assessment: EPD type III acc. EN 15804, externally verified
Assessment applicable to: 19.09.2016
Life Cycle Perspective: Cradle to gate (A1 – A3)
Declared unit (DU): 1 m²
Thickness and weight DU: 300 mm / 147,5 kg
Product category: Massive timber
Moisture resistance: Sensitive to moisture
Cleaning possibility: Medium
Estimated service life: 60 years

Explanation of symbols

	1 Excellent
	2 Good
	3 Average to good
	4 Average
	5 Adjoining average
	6 Marginally average
	7 Poor
	8 Very poor (or incomplete)

** Reference values for GWP is adjusted once a year, and can influence the rating.

Comments to the assessment

Indoor climate

Emissions of gases:
 The product consists of very low emitting materials according to EN 15251 (e.g. Natural stone, marble, glass, metal, ceramic tile etc.).

Odor dissatisfaction (does not contribute to points):
 -

Overall rating for indoor air quality is green (1), ie. «excellent».

Hazardous substances

The product meets the requirements set by the BVD recommended, and contains no more than 0.1% by weight of substances on REACH authorization list, candidate list and/or the Norwegian priority list.

Overall rating for hazardous substances is green (1), ie. «excellent».

Resource usage

Renewable / non-renewable materials:
 The product consists of 98,5 % renewable and 1,5 % non-renewable raw materials.

Percentage of secondary materials:
 The product consists of 11 % secondary/recycled materials.

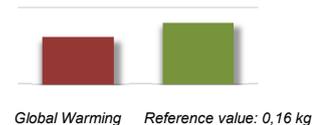
Energy:
 The energy consumption is distributed on 58 % renewable primary energy resources used as raw materials, 18 % renewable primary energy, 1 % non renewable primary energy used as raw materials and 23 % non renewable primary energy.

Overall rating for resource usage is green (3), ie. «average to good».

Greenhouse effect

Global Warming Potential:
 Global Warming Potential is 73 % of the reference value.

Overall rating for Global Warming Potential is white (4), ie. «average»



* Reference values apply pr. kg product.

This report is intended to be an exchange of information from Byggtjeneste to Binderholz Bausysteme GmbH, and shall not be used for other purposes. Current environmental profile of the product can be downloaded from www.byggtjeneste.no.

Information in this report is based on a external verified EPD according to EN 15804 and additional information obtained from the manufacturer. Norsk Byggtjeneste AS disclaims any responsibility for consequences of any incorrect or incomplete information.

Behoort bij besluit van
 Omgevingsdienst
 De Vallei 

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