

Manufacturer: Cembrit Holding A/S
Product: Cembrit Frontex construction fibre cement boards
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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

Rating	Overall rating
	Not applicable
	
	
	

Basis for assessment: EPD type III acc. EN 15804, externally verified
Assessment applicable to: 24.04.2021 (31.12.2016)**
Life Cycle Perspective: Cradle to gate (A1 – A3)
Declared unit (DU): 1 m²
Thickness and weight DU: 14 mm / 14,3 kg
Product category: Fiber cement sheets
Moisture resistance: Resists moderate amounts of moisture
Cleaning possibility: Good
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 may influence the rating.

Comments to the assessment

Indoor climate

Emissions of gases:
 Not applicable

Odor dissatisfaction (does not contribute to points):
 Not applicable

Hazardous substances

The product meets the requirements set in BASTA, SINTEF Technical Approval or BVD category «Accepted». May contain substances on the Candidate List of Substances of Very High Concern (REACH) and/or the Norwegian priority list, but not more than 0.1%.

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

Resource usage

Renewable / non-renewable materials:
 The product consists of 4 % renewable and 96 % non-renewable raw materials.
 Percentage of secondary materials:
 The product consists only of virgin materials.

Energy:

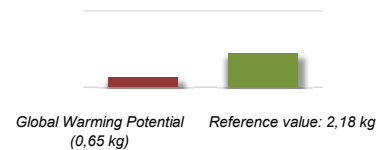
The energy consumption is distributed on 7 % renewable primary energy resources used as raw materials, 32 % renewable primary energy, 4 % non renewable secondary fuels, 3 % non renewable primary energy used as raw materials, 54 % non renewable primary energy.

Overall rating for resource usage is white (4), ie. «average».

Greenhouse effect

Global Warming Potential:
 Global Warming Potential is 30 % of the reference value.

Overall rating for Global Warming Potential is green (2), ie. «good»



* Reference values apply pr. kg product.

This report is intended to be an exchange of information from Byggtjeneste to Cembrit Holding A/S, and shall not be used for other purposes. Current environmental profile of the product can be downloaded from www.byggtjeneste.no.