

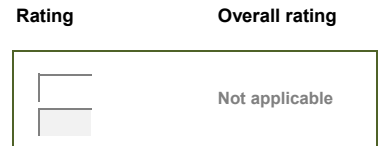
**Manufacturer:** Cembrit Holding A/S  
**Product:** Cembrit Frontex construction coated fibre cement boards  
**Contact person:** Stian Kjærnes  
**Email:** [stian.kjaernes@cembrit.no](mailto:stian.kjaernes@cembrit.no)

Assessment report, ID number 362  
 Date: 31.08.2016

**This product can support collecting BREEAM-NOR credits.**

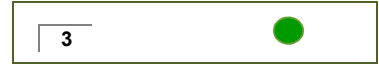
**Indoor climate**

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



**Hazardous substances**

Hazardous substances



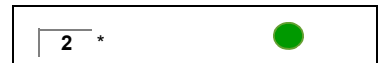
**Resource usage**

Renewable / non-renewable materials  
 Energy



**Greenhouse effect**

Global Warming Potential



**Basis for assessment:** EPD type III acc. EN 15804, externally verified  
**Assessment applicable to:** 24.04.2021 (31.12.2016)\*\*  
**Life Cycle Perspective:** Cradle to gate (A1 – A3)  
**Declared unit (DU):** 1 m<sup>2</sup>  
**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:**

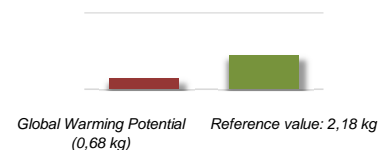
The energy consumption is distributed on 6 % renewable primary energy resources used as raw materials, 30 % renewable primary energy, 4 % non renewable secondary fuels, 3 % non renewable primary energy used as raw materials, 56 % non renewable primary energy.

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

**Greenhouse effect**

Global Warming Potential:  
 Global Warming Potential is 31 % 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](http://www.byggtjeneste.no).**