

Key figures to define the impact for different blocks

In order to calculate environmental impact for different blocks use the following table with weight information.

Varetekst	Finja Art.nr	Høyde, m	Bredde, m	Lengde, m	Vekt hela block, kg	Volum, m ³	Vekt betong, kg	Vekt cellplast, kg
NORMALBLOKK EXAKT 250X197X600	16252060	0.1970	0.2500	0.6000	14.9	0.030000	14.73	0.17
NORMALBLOKK EXAKT 290X197X600	16292060	0.1970	0.2900	0.6000	14.9	0.034278	14.62	0.28
NORMALBLOKK EXAKT 350X197X600	16352060	0.1970	0.3500	0.6000	15	0.041370	14.57	0.43
NORMALBLOKK EXAKT 400X197X500	16402050	0.1970	0.4000	0.5000	13.9	0.039400	13.44	0.46
TILPASNINGSBLOKK EXAKT 290X95X600	16290960	0.0950	0.2900	0.6000	7.5	0.016530	7.37	0.13
TILPASNINGSBLOKK EXAKT 350X95X600	16350960	0.0950	0.3500	0.5900	7.4	0.019618	7.20	0.20
TILPASNINGSBLOKK EXAKT 400X95X500	16400950	0.9500	0.4000	0.5000	6.9	0.190000	6.68	0.22

Additional Norwegian requirements

Greenhouse gas emission from the use of electricity in the manufacturing phase

Electricity use in production is based on consumption figures for 2016. Emission data is taken from Ecoinvent 3.3 "Electricity, medium voltage {SE} market for | Alloc Rec, S" (2016).

Data source	Amount	Unit
Ecoinvent v3.3 (2016)	48 gram	CO ₂ -eqv/kWh

Dangerous substances

- The product contains no substances given by the REACH Candidate list or the Norwegian priority list
- The product contains substances given by the REACH Candidate list or the Norwegian priority list that are less than 0,1 % by weight.
- The product contain dangerous substances, more then 0,1% by weight, given by the REACH Candidate List or the Norwegian Priority list, see table.
- The product contains no substances given by the REACH Candidate list or the Norwegian priority list. The product is classified as hazardous waste (Avfallsforkiften, Annex III), see table.

Indoor environment



The emission test is based on a representative Exakt Normal block product (350x197x600 mm) and meets the requirements for the recommended class in M1 (ammonia and odour not measured) and Emicode EC1^{PLUS}. EMICODE EC1^{PLUS} includes the strongest requirements on low VOC emissions compared to EMICODE EC1 and Blue Angel, AgBB, DIBt and California (Section 01350). The product has no detectable impact on the indoor environment.

Carbon footprint

Carbon footprint has not been worked out for the product.

Bibliography

ISO 14025:2010	<i>Environmental labels and declarations - Type III environmental declarations - Principles and procedures</i>
ISO 14044:2006	<i>Environmental management - Life cycle assessment - Requirements and guidelines</i>
EN 15804:2012+A1:2013	<i>Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products</i>
ISO 21930:2007	<i>Sustainability in building construction - Environmental declaration of building products</i>
LCI Report	<i>LCA Report Finja Lightweight concrete blocks. Ulf Liljenroth, WSP 2017.</i>
Emicode EC1PLUS	www.emicode.com/fileadmin/redaktion/Service/Downloads_GB/GEV-Green_Building.pdf

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