















## Additional Norwegian requirements

### Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

Electricity mix	Data source	Amount	Unit
Electricity, Norway (kWh)	ecoinvent 3.4 Alloc Rec	31,04	g CO2-ekv/kWh

### Dangerous substances

The product contains no substances given by the REACH Candidate list or the Norwegian priority list.

### Indoor environment

The product meets the requirements for low pollutant (M1) by EN15251:2007 Appendix E.  
The product has no impact on the indoor environment.

## Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.

ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.

EN 15804:2012+A1:2013 Environmental product declaration - Core rules for the product category of construction products.

ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.

ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.

Iversen et al., (2018) eEPD v3.0 - Background information for EPD generator system. LCA.no report number 04.18.




Iversen et al., (2018) EPD generator for Leca - Background information for customer application, LCA.no report number 06.18

NPCR Part A: Construction products and services. Ver. 1.0. April 2017, EPD-Norge.

NPCR 012 Part B for Thermal insulation products. Ver. 2.0 June 2018, EPD-Norge

Vold, M and Edvardsen, T, 2013: Weber EPD Generator Background information, Østfoldforskning AS, Fredrikstad, Norge, Nov 2013

NPCR Part A: Construction products and services. Ver. 1.0. April 2017

	<b>Program operator and publisher</b> The Norwegian EPD Foundation Post Box 5250 Majorstuen, 0303 Oslo, Norway	Phone: +47 23 08 80 00 e-mail: post@epd-norge.no web: www.epd-norge.no
	<b>Owner of the declaration</b> Leca International Årnesvegen 1 2009 Nordby	Phone: +47 41 43 71 00 e-mail: info@leca.no web: www.leca.no
	<b>Author of the Life Cycle Assessment</b> LCA.no AS Dokka 1C 1671 Kråkerøy	Phone: +47 916 50 916 e-mail: post@lca.no web: www.lca.no
	<b>Developer of EPD generator</b> LCA.no AS Dokka 1C, 1671 Kråkerøy	Phone: +47 916 50 916 e-mail: post@lca.no web: www.lca.no