

Additional Norwegian requirements

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

National production mix electricity (consumption mix, low voltage, including own consumption of power plants, transmission/distribution losses) was used for the electricity used in the manufacturing process (A3). Import and export of electricity is nonexistent in Iceland. The Icelandic national production mix is 71% hydropower and 29% geothermal power according dataset below.

Data source	Amount	Unit
GaBi Professional - IS: Electricity grid mix	20,7	g CO ₂ -eq/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.

Name	CAS no.	Amount*

Indoor environment



No tests have been carried out on the product concerning indoor climate.

Carbon footprint

The Global Warming Potential (GWP) on page 5 provides information about the carbon footprint of the product, i.e. the product stage carbon footprint (A1-A3) is 0,49 kg CO₂-eq. per m² of light density stone wool and the life cycle carbon footprint (phases A-C) for the EU scenario is 0,80 kg CO₂-eq. per m².

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>
EPD-Norge (2017)	<i>NPCR Part A: Construction Products and Services</i>
EPD-Norge (2018)	<i>NPCR 012 (version 2.0) - Part B for Thermal insulation products</i>
ÍST EN 16783:2017	<i>Thermal insulation products - Product category rules (PCR) for factory made and in-situ formed products for preparing environmental product declarations.</i>
ÍST EN 13162:2012+A1:2015	<i>Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification</i>
ÍST EN 13501-1:2007+A1:2009	<i>Fire classification of construction products and building elements - Part 1: Classification using test data from reaction to fire tests</i>
EN 15251:2007	<i>Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics</i>
EFLA Consulting Engineers (2019)	<i>Life Cycle Assessment of Icelandic stone wool. Steinull hf.</i>

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