

Additional 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, United Arab Emirates (kWh)	ecoinvent 3.3 Alloc Rec	1113,82	g CO ₂ -ekv/kWh

Dangerous substances

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

Indoor environment

The declared product is emission tested by RISE Research Institutes of Sweden/SP Technical Research Institute of Sweden or Eurofins in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010.

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 21930:2007 Sustainability in building construction - Environmental declaration of building products

IBU PCR Part B: Requirements on the EPD for Coatings with organic binders. v1.4, September 2016

Vold et al (2017). EPD and LCA tool for Jotun - Technical description and background information, OR 01.17, Ostfold Research, Fredrikstad 2017

CEPE v3.0 Raw materials LCI database for the European coatings and printing ink industries

ecoinvent v3.2 Alloc Rec, Swiss Centre of Life Cycle Inventories

BREEAM International (2013). BREEAM International New Construction Technical Manual. SD5075-1.0:2013

BREEAM International (2016). BREEAM International New Construction Technical Manual. SD233 1.0:2016

CDPH method 1.1 (2010). Standard method for the testing and evaluation of volatile organic chemical emissions from indoor sources. California Department of Public Health, 2010




EU Directive 2004/42/CE: The limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

ISO 16000 - 9/10: 2006. Indoor air - Part 9/10: Determination of the emission of volatile organic compounds from building products and furnishing

LEED® v4: LEED® v4 for Building design and construction, U.S. Green Building Council®, 2013

REACH. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006

SVHC candidate list. Candidate List of substances of very high concern for Authorisation IAW Article 59(10) of the REACH Regulation

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