

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 CO2-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. SD233-2.0:2017
 CARB SCM (2007). California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings, 2007
 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

| | | |
|--|--|--|
|  epd-norge.no The Norwegian EPD Foundation | Program operator and publisher The Norwegian EPD Foundation Post Box 5250 Majorstuen, 0303 Oslo 0303 Oslo Norway | Phone: +47 23 08 82 92 e-mail: post@epd-norge.no web: www.epd-norge.no |
|  | Owner of the declaration Jotun A/S Hystadveien 167 3209 Sandefjord | Phone: +47 33 45 70 00 Fax: e-mail: anne.lill.gade@jotun.no web: www.jotun.no |
|  | Author of the Life Cycle Assessment Ostfold Research Stadion 4 1671 Kråkerøy | Phone: +47 69 35 11 00 Fax: +47 69 34 24 94 e-mail: post@ostfoldforskning.no web: www.ostfoldforskning.no |