

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, Spain (kWh)	ecoinvent 3.3 Alloc Rec	469,85	g CO ₂ -ekv/kWh

Dangerous substances




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

Indoor environment

The declared product is tested by RISE Research Institutes of Sweden/SP Technical Research Institute of Sweden or Eurofins in accordance with ISO 16000-8/9 and CDPH method 1.1 (2010), and passes the demands of the French AFSSET (2011), German AgBB (2015), Belgian decree (2014), Finnish M1 (2017).

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.
 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, May 2016.
 AgBB (2017): Health-related Evaluation Procedure for Volatile Organic Compounds Emissions (VOC and SVOC) from Building Products. German Committee for Health-related Evaluation of Building Products.
 AFSSET (2011): French Regulation No. 2011-321. Official Journal of the French Republic.
 Belgian Decree (2014): Royal Decree establishing the threshold levels for emissions in the indoor environment of construction products for certain intended uses. Belgian Federal Public Service Health, Food Chain Safety and Environment [C-2014/24239].
 BREEAM® International (2016): BREEAM International New Construction Technical Manual. SD233-2.0:2017.
 BREEAM® International (2013): BREEAM International New Construction Technical Manual. SD5075-1.0:2013.
 BREEAM® NOR (2016): BREEAM-NOR New Construction, SD5075NOR – Ver: 1.1. The Norwegian Green Building Council.
 BREEAM® NOR (2012): BREEAM-NOR New Construction, v 1.1. The Norwegian Green Building Council.
 CARB SCM (2007): California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings.
 CDPH method 1.2 (2017): Standard method for the testing and evaluation of volatile organic chemical emissions from indoor sources. California Department of Public Health.
 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-series of indoor air standards for VOCs sampling and determination, i.e. 3, 6(2011); 9, 10, 11(2006).
 LEED®v4 (2013): LEED® v4 for Building design and construction, U.S. Green Building Council®.
 LEED® (2009): LEED® 2009 for New construction and Major renovations Rating system. U.S. Green Building Council®.
 Norwegian A20 list (2020): List of Priority Substances. The Norwegian Environment Agency.
 M1 Emission Classification of Building Materials (2017): Protocol for Chemical and Sensory Testing of Building Materials, The Building Information Foundation.
 REACH (2006): Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. REACH Authorization list – Annex XIV, the Restriction list – Annex XVII and the SVHC candidate list.

	Program operator and publisher The Norwegian EPD Foundation Post Box 5250 Majorstuen, 0303 Oslo 0303 Oslo Norway	Phone: +47 wAAabnbn 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 Østfoldforskning AS Stadion 4 1671 Kråkerøy	Phone: +47 69 35 11 00 Fax: +47 69 34 24 94 e-mail: web: www.ostfoldforskning.no
	Developer of EPD generator LCA.no AS Dokka 1C 1671 Kråkerøy	Phone: +47 916 50 916 e-mail: post@lca.no web: www.lca.no