

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, Czech Republic (kWh)	ecoinvent 3.3 Alloc Rec	847,40	g CO2-ekv/kWh

Dangerous substances

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

Indoor environment

Jotun powder coatings do not emit volatile organic substances (VOC) after application.

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 (2016): BREEAM International New Construction Technical Manual. SD233-2.0:2017

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

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

 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 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
 Østfoldforskning	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