

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

Not applicable for externally applied products.

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

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 BREEAM International (2016): BREEAM International New Construction Technical Manual. SD233-1.0:2016
 CARB SCM (2007). California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings, 2007
 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
 LEED® (2009): LEED® 2009 for New construction and Major renovations Rating system. U.S. Green Building Council®, 2008
 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
 SCAQMD rule 1113 (2004): South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings
 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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