















## Additional Norwegian 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          |
|---|------------------------|--------|---------------|
| Renewable electricity with Guarantee of Origin from LOS (kWh) | Modified ecoinvent 3.4 | 60,20  | g CO2-ekv/kWh |
| District heating, Parainen (kWh)                              | Modified ecoinvent 3.4 | 20,54  | g CO2-ekv/kWh |

### Dangerous substances

The product contains no substances given by the REACH Candidate list or the Norwegian priority list. The product is classified as hazardous waste (Avfallsforskriften, Annex III), see table.

| Name            | CASNo      | Amount |
|-----------------|------------|--------|
| Portland Cement | 65997-15-1 | 25-50% |

### Indoor environment

Regarding indoor air quality Weber flow rapid fix has M1 indoor emission classification granted by the Finnish Building Information Foundation (Suomen Rakennustietosäätiö, RTS).

## 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.

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

Iversen et al., (2018) eEPD v3.0 - Background information for EPD generator system.

|  |  |  |
|--|--|--|
|  <b>epd-norge.no</b><br>The Norwegian EPD Foundation | <b>Program operator and publisher</b><br>The Norwegian EPD Foundation<br>Post Box 5250 Majorstuen, 0303 Oslo<br>0303 Oslo Norway | Phone: +47<br>e-mail: post@epd-norge.no<br>web: www.epd-norge.no                                 |
|   | <b>Owner of the declaration</b><br>Saint-Gobain Finland Oy<br>P.O. Box 70<br>FI-00381 Helsinki                                   | Phone: +358400289933<br>Fax:<br>e-mail: anne.kaiser@saint-gobain.com<br>web: www.saint-gobain.fi |
|   | <b>Author of the Life Cycle Assessment</b><br>LCA.no AS<br>Dokka 1C<br>1671 Kråkerøy   | Phone: +47 916 50 916<br>Fax:<br>e-mail: post@lca.no<br>web: www.lca.no                          |
|   | <b>Developer of EPD generator</b><br>LCA.no AS<br>Dokka 1C<br>1671 Kråkerøy  | Phone: +47 916 50 916<br>e-mail: post@lca.no<br>web: www.lca.no                                  |