











## Additional Norwegian requirements

### Greenhouse gas emission 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).

Data source	Amount	Unit
GaBi 6 Electricity mix (NO) (2013)	0,0377	kg CO <sub>2</sub> -eqv/kWh

### Dangerous substances

- The product contains no substances given by the REACH Candidate list or the Norwegian priority list
- The product contains substances given by the REACH Candidate list or the Norwegian priority list that are less than 0,1 % by weight.
- The product contain dangerous substances, more then 0,1% by weight, given by the REACH Candidate List or the Norwegian Priority list, see table.
- 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).

### Indoor environment

No tests has been carried out on the product concerning indoor climate - Not relevant.

### Carbon footprint

Carbon footprint has not been worked out for the product.

## Bibliography

ISO 14025:2010	<i>Environmental labels and declarations - Type III environmental declarations - Principles and procedures</i>
ISO 14044:2006	<i>Environmental management - Life cycle assessment - Requirements and guidelines</i>
EN 15804:2012+A1:2013	<i>Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products</i>
ISO 21930:2007	<i>Sustainability in building construction - Environmental declaration of building products</i>
LCA-Report Vik Ørsta AS	<i>Life Cycle Assessment Report: Vik Ørsta CT-Bolt® M20</i>
EPD: Steel tubes SSAB	<i>NEPD-475-331-EN: Structural hollow sections, precision tubes, line pipes, steel sections and piles (2016)</i>
EPD: Rebar Celsa	<i>NEPD-434-305-EN: Celsa Steel Service AS: Steel reinforcement products for concrete (2016)</i>
NPCR 013-2013	<i>Product Category Rules: Steel as Construction Material</i>
Environmental Report CombiCoat	<i>Vik Ørsta - Evalueringsrapport Miljø. Performed by Sintef. Updated approval 15.03.17.</i>

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