Building Material Scout

Product Verification

Sustainability

according to LEED Building Design and Construction V4 (2015)

Product Systems

Stainless steel AISI 316

Q-railing Europe GmbH & Co. KG

Components of guardrail.

Product Assessment

Materials and Resources

Criteria	Product Verification
MR Credit Life-Cycle Impact Reduction - Option 4: Whole-Building Life-Cycle Assessment	EPD available: No
MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration	0 % weighted value
MR Credit BPDO - Environmental Product Declaration - Option 2: Multi-Attribute Optimization	0 % weighted value

MR Credit BPDO - Sourcing of Raw Materials - Option 1: Raw Material Source and Extraction Reporting	0 % weighted value
MR Credit BPDO - Sourcing of Raw Materials - Option 2: Leadership Extraction Practices	75 % weighted value
MR Credit BPDO - Material Ingredients - Option 1: Material Ingredient Reporting	0 % weighted value
MR Credit BPDO - Material Ingredients - Option 2: Material Ingredient Optimization	100 % weighted value
MR Credit BPDO - Material Ingredients - Option 3: Product Manufacturer Supply Chain Optimization	0 % weighted value
Location Valuation Factor	No

Indoor Environmental Quality

Criteria	Product Verification
EQ Credit Low-Emitting Materials (except Healthcare and Schools)	N/A

Legend: yes = Product contributes toward satisfying the credit, N/A = Product not relevant in the credit, no = Credit requirements are not proven

Summary

The product contributes to the certification:

- The product has an Environmental Product Declaration (EPD), which can be used to calculate the building life cycle assessment under LEED MR Building Life-Cycle Impact Redcutions - Option 4: Whole-Building Life-Cycle Assessment: EPD available: No
- Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration: 0 % weighted value
- Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 2: Multi-Attribute Optimization: 0 % weighted value
- Weighted Product Value on Credit BPDO - Sourcing of Raw Materials - Option 1: Raw Material Source and Extraction Reporting: 0 % weighted value
- Weighted Product Value on Credit BPDO - Sourcing of Raw Materials - Option 2: Leadership Extraction Practices: 75 % weighted value
- Weighted Product Value on Credit BPDO - Material Ingredients - Option 1: Material Ingredient Reporting: 0 % weighted value
- Weighted Product Value on Credit BPDO - Material Ingredients - Option 2: Material Ingredient Optimization: 100 % weighted value
- Weighted Product Value on Credit BPDO - Material Ingredients - Option 3: Supply Chain Optimization: 0 % weighted value

- Information for Location Valuation Factor is available: No

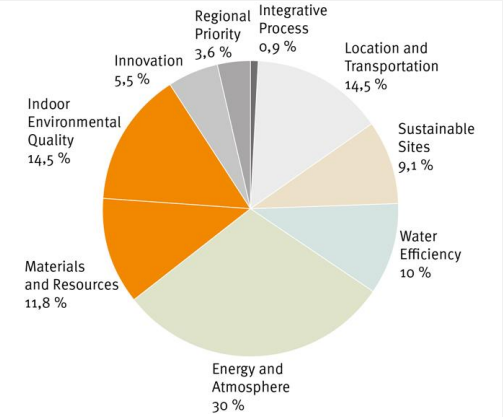
Green Building Certification System

This verification is the evaluation and ranking of products in terms of the certification system LEED version 4 (Building Design and Construction). The USGBC (U.S. Green Building Council) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the LEED criteria. Notice: This verification is generated by the Assessment Service of BMS. The distribution or publication by third parties is not permitted. The data sheet is not a LEED certification document. The information is based on the manufacturer's specifications. Despite a diligent treatment of all information BMS can not make any warranties about the completeness, reliability and accuracy of this information. The requirements of LEED can be interpreted differently and depend on the project and scope of application. Therefore, BMS cannot accept any liability for the evaluation in terms of the LEED criteria. The user of the data sheet, the user / purchaser of the product and the consultant / planner, who is advising on this product has the duty to check the product for the intended application at their own responsibility. When a new version of this product verification is produced, the previous version loses its validity.

Source: www.usgbc.org

Certification System and Categories

Category Weighting



Category	Category considered in product verification
Integrative Process (IP)	No
Location and Transportation (LT)	No
Sustainable Sites (SS)	No
Water Efficiency (WE)	No
Energy and Atmosphere (EA)	No
Materials and Ressources (MR)	Yes
Indoor Environmental Quality (EQ)	Yes
Innovation (IN)	No
Regional Priority (RP)	No

Source: LEED v4 - New Construction

Detailed Verification

according to LEED Building Design and Construction V4 (2015)

Materials and Resources

MR Credit Life-Cycle Impact Reduction – Option 4: Whole-Building Life-Cycle Assessment

The product has an Environmental Product Declaration (EPD), which can be used to calculate the building life cycle assessment under LEED MR Building Life-Cycle Impact Redcutions - Option 4: Whole-Building Life-Cycle Assessment:

Stainless steel AISI 316	EPD available: No

An environmental product declaration exists for the product:

Stainless steel AISI 316	No

MR Credit BPDO – Environmental Product Declaration – Option 1: Environmental Product Declaration

Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration:

Stainless steel AISI 316	0 % weighted value

An environmental product declaration exists for the product:

Stainless steel AISI 316	No

MR Credit BPDO – Environmental Product Declaration – Option 2: Multi-Attribute Optimization

Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 2: Multi-Attribute Optimization:

Stainless steel AISI 316	0 % weighted value

An environmental product declaration exists for the product:

Stainless steel AISI 316	No

MR Credit BPDO – Sourcing of Raw Materials – Option 1: Raw Material Source and Extraction Reporting

Weighted Product Value on Credit BPDO - Sourcing of Raw Materials - Option 1: Raw Material Source and Extraction Reporting:

Stainless steel AISI 316	0 % weighted value

There is a corporate sustainability reports (CSR) report from the manufacturer:

Stainless steel AISI 316	No

MR Credit BPDO – Sourcing of Raw Materials – Option 2: Leadership Extraction Practices

Weighted Product Value on Credit BPDO - Sourcing of Raw Materials - Option 2: Leadership Extraction Practices:

Stainless steel AISI 316	75 % weighted value

Extended producer responsibility

Content of materials for a closed-loop recycling or take-back programm in the entire product:

Stainless steel AISI 316	100 %

The manufacturer of the product participates in an extended producer responsibility program or is directly responsible for extended producer responsibility (closed-loop recycling program or product take-back program):

Stainless steel AISI 316	Yes

Do you want to enter the content of materials for a closed-loop recycling or take-back programm for the entire product? Otherwise it will be automatically calculated from the components. If you do not have any components for your product, we recommend that you enter here the content of materials for the entire product:

Stainless steel AISI 316	Yes

Content of materials for a closed-loop recycling or take-back programm:

Stainless steel AISI 316	100 %

Bio-based materials

Content of SAN-certified bio-based materials in the entire product:

Stainless steel AISI 316	0 %

Wood products

Content of FSC-certified wood-based materials in the entire product:

Stainless steel AISI 316	0 %

Materials reuse

Content of salvaged, refurbished, or reused products or materials in the entire product:

Stainless steel AISI 316	0 %

Recycled content

Creditable recycled content according to LEED for the entire product:

Stainless steel AISI 316	25 %

Postconsumer recycled content for the entire product:

Stainless steel AISI 316	25 %

Do you want to enter the recycled content for the entire product? Otherwise it will be automatically calculated from the components. If you do not have components for your product, we recommend that you enter the recycling percentage for the entire product here:

Stainless steel AISI 316	Yes

Postconsumer recycled content of product (creditable):

Stainless steel AISI 316	25 %

Postconsumer recycled content of the product:

Stainless steel AISI 316	0 %

Postconsumer recycled content for steel according to LEED:

Stainless steel AISI 316	25 %

The product is made of steel:

Stainless steel AISI 316	Yes

Preconsumer recycled content of the product:

Stainless steel AISI 316	0 %

Preconsumer recycled content for the entire product:

Stainless steel AISI 316	0 %

MR Credit BPDO – Material Ingredients – Option 1: Material Ingredient Reporting

Weighted Product Value on Credit BPDO - Material Ingredients - Option 1: Material Ingredient Reporting:

Stainless steel AISI 316	0 % weighted value

A manufacturer inventory with all ingredients (to at least 0.1 %) identified by CASRN exists for the product:

Stainless steel AISI 316	No

A Health Product Declaration (HPD) exists for the product:

Stainless steel AISI 316	No

Certified according Declare - all ingredients have been evaluated and disclosed down to 0,1 % = 1000 ppm:

Stainless steel AISI 316	No

Certified according Product Lens:

Stainless steel AISI 316	No

Certified according Cradle to Facts - NSF/ANSI 336: Sustainability Assessment for Commercial Furnishings Fabric:

Stainless steel AISI 316	No

Assessed according ANSI/BIFMA e3 Furniture Sustainability standard - Product earned at least 3 points under 7.5.1.3 Advanced Level in e3-2014 or 3 points under 7.4.1.3 Advanced Level in e3-2012:

Stainless steel AISI 316	No

Certified with Cradle to Cradle:

Stainless steel AISI 316	No

Cradle to Cradle Standard Version:

Stainless steel AISI 316	noentry

Cradle to Cradle Level:

Stainless steel AISI 316	noentry

Certified with Cradle to Cradle Material Health:

Stainless steel AISI 316	No

Cradle to Cradle Material Health Level:

Stainless steel AISI 316	noentry

For Cradle to Cradle Material Health are at least 90% of materials assessed by weight:

Stainless steel AISI 316	No

MR Credit BPDO – Material Ingredients – Option 2: Material Ingredient Optimization

Weighted Product Value on Credit BPDO - Material Ingredients - Option 2: Material Ingredient Optimization:

Stainless steel AISI 316	100 % weighted value

SVHC according REACH < 0,01 % (100 ppm):

Stainless steel AISI 316	Yes

The Product have fully inventoried chemical ingredients to 100 ppm and no Benchmark 1 hazard according to GreenScreen v1.2 Benchmark. The product is assessed with "GreenScreen List Translator":

Stainless steel AISI 316	No

The Product have fully inventoried chemical ingredients to 100 ppm and no Benchmark 1 hazard according to GreenScreen v1.2 Benchmark. The product is assessed with "GreenScreen Assessment":

Stainless steel AISI 316	No

Certified with Cradle to Cradle:

Stainless steel AISI 316	No

Cradle to Cradle Standard Version:

Stainless steel AISI 316	noentry

Cradle to Cradle Level:

Stainless steel AISI 316	noentry

MR Credit BPDO – Material Ingredients – Option 3: Product Manufacturer Supply Chain Optimization

Weighted Product Value on Credit BPDO - Material Ingredients - Option 3: Supply Chain Optimization:

Stainless steel AISI 316	0 % weighted value

Manufacturer is certified according ISO 14001 - Environmental Management System:

Stainless steel AISI 316	No

Manufacturer is certified according OHSAS 18000 - Health and Safety Management System:

Stainless steel AISI 316	No

Location Valuation Factor

Information for Location Valuation Factor is available:

Stainless steel AISI 316	No

Place of raw material extraction (e.g D-70563 Stuttgart):

Stainless steel AISI 316	-

Place of manufacture (e.g. D-70563 Stuttgart):

Stainless steel AISI 316	-

Place of purchase incl. distribution (e.g. D-70563 Stuttgart):

Stainless steel AISI 316	-

The distance between place of raw material extraction and manufacture is less than 100 miles/160 km:

Stainless steel AISI 316	No

Indoor Environmental Quality

EQ Credit Low-Emitting Materials (except Healthcare and Schools)

The entire product contributes toward satisfying EQ Credit: Low-Emitting Materials:

Stainless steel AISI 316	N/A

Contact Details Manufacturer

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Disclaimer

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