

Customer information concerning

## LEED Green Building Rating Systems

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The LEED system (Leadership in Energy and Environmental Design) was developed in 2000 and it is a globally recognized symbol of excellence in green buildings. It is operated by the Green Building Councils as voluntary certification systems for environmental friendly buildings. For more information about LEED visit <http://www.usgbc.org/leed>

This document gives examples of sustainability aspects of Outokumpu's stainless steel products that could be relevant for LEED rating.

### **LEED MR Credit - Building Life-Cycle Impact Reduction**

*Material Reuse* - Due to their durability, stainless steel building products have the potential to be reused during renovations.

### **LEED MR Credit - Building Life-Cycle Impact Reduction**

*Whole-Building Life-Cycle Assessment* - Life Cycle Data for Stainless Steel exists both at industry average level and Outokumpu has specific data for its own products. Due to its durability, stainless steel usually does not have to be replaced during the 60 year service time. Also, the maintenance need is low.

### **LEED MR Credit – Environmental Product Declarations**

Outokumpu provides product specific Environmental Product Declarations which conform to ISO 14025 and EN 15804. These are publicly available at our website

### **LEED MR Credit – Sourcing of Raw Materials**

*Recycled content* - The total recycled content of Outokumpu stainless steel varies depending on scrap availability, but typically at least 85% on an annual basis. In 2020 the total recycled content of Outokumpu stainless steel was 88 %. It is estimated that the pre-consumer recycled content was about 24 % and the post-consumer recycled content 64 %.

### **LEED MR Credit – Material Ingredients**

*Material Ingredients Reporting* - Outokumpu stainless steel is produced according to international standards and product certificates that are delivered with the product give an inventory of the steel. The Americas Safety Data Sheets are available at our website and give an inventory of all ingredients identified by name and Chemical Abstract Service Number



### **LEED MR Credit – Material Ingredients**

*Material Ingredient Optimization* - Outokumpu stainless steel does not contain any substances that are listed on the REACH Authorisation List or the SVHC candidate list. The steel is also compliant with the REACH Restriction List

### **LEED MR Credit – Construction and Demolition Waste Management**

*Diversion* - Stainless steel scrap has a high value as secondary raw material, and it is 100 % recyclable without loss of quality.

### **LEED SS Credit – Heat Island Reduction**

The SRI of stainless steels will vary depending on finish, but uncoated stainless steels generally exceed the steep slope SRI requirement of  $\geq 39$ . Information about surface finish can be obtained from Outokumpu.

### **LEED EQ Credit: Low-Emitting Materials**

Uncoated stainless steel panels do not release volatile organic compounds or other fumes into air. Due to the corrosion resistant nature of stainless steel, no coating is needed to protect the surface.

*Applicable for healthcare only:*

### **LEED MR Credit – PBT Source Reduction – Lead, Cadmium, and Copper**

Lead is not used in the production of stainless steel from Outokumpu and the steel meets the lead-free definition of California AB 1953 standard

### *Additional information*

Outokumpu's stainless steel is melted in Finland, Sweden, UK, or in the US. Further processing takes place at different locations around the world. The melting and processing location depends on the product and can be confirmed separately.