



EJOT®

Leed-Profile

EJOT® JC2 Plus / Sormat S-CSA+

LEED v5 Scheme

Information brochure for the quality certification of the
“Leadership in Energy and Environmental Design (LEED)
Green Building Rating System”

1 General information

The certification system „Leadership in Energy and Environmental Design“ (LEED) serves to objectively describe and evaluate the sustainability of buildings and neighbourhoods. It was developed by the non-profit organization USGBC (U.S. Green Building Council). The entire LEED certification is based on the US American standards according to ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.). Quality is evaluated in a comprehensive sense, over the entire building life cycle. The LEED certification system is internationally applicable. Due to its flexibility, it can be applied precisely to different building uses. With LEED v5, the system has been further refined to emphasize decarbonization, quality of life, and ecosystem restoration, ensuring a more holistic approach to sustainable building practices.

Types and categories of use

The present profile is applicable to whole buildings, and whole additions to buildings, of various use types that are either new construction or undergoing major renovations. For example:

Building Design and Construction (BD+C)	
<ul style="list-style-type: none"> • New Construction and Major Renovations • Core and Shell Development • Schools • Retail 	<ul style="list-style-type: none"> • Data Centers • Warehouses and Distribution Centers • Hospitality • Healthcare

In total, up to 110 points can be achieved in each usage category.

Evaluation categories of use

The usage type „Building Design and Construction (BD+C)“ includes the categories “New Construction” and “Core and Shell” with the following evaluation categories. Each of the listed evaluation categories is subdivided into several individual criteria, the fulfilment of which enables the total points of an evaluation category to be achieved. There are also individual criteria that form the prerequisite for the award of a LEED certificate.

Integrative Process (IP)	1	7	Energy and Atmosphere (EA)	33	27
Location and Transportation (LT)	15	15	Materials and Resources (MR)	18	21
Sustainable Sites (SS)	11	11	Indoor Environmental Quality (EQ)	13	11
Water Efficiency (WE)	9	8	Project Priorities and Innovation (PR)	10	10

■ Points for New Construction

■ Points for Core and Shell

LEED levels of certification

The LEED valuation method awards the following levels of certification, based on a maximum of 100 (+10 bonus) possible points:

Certified ✕	Silver ✕ ✕	Gold ✕ ✕ ✕	Platinum ✕ ✕ ✕ ✕
40-49 (points)	50-59 (points)	60-79 (points)	80+ (points)*

*plus specific decarbonization thresholds

The LEED certification of a building is an effective public expression of its ecological value, which is particularly evident to investors, tenants and residents. Sustainable buildings protect the environment and natural resources. They often have significantly lower operating costs, create more living comfort and increase the overall value of a property.

2 Life Cycle Information

EPD standard	EN 15804; ISO 14025
Programm holder	IBU - Institut Bauen und Umwelt e.V.
Declaration number	EPD-EJO-20250496-IBC1-EN
Valid to	08.01.2031
Declared unit	1 kg of carbon steel concrete screws EJOT JC2 Plus / Sormat S-CSA+

Further product and location-specific information can be found in the [EPD](#) and the product-specific technical data sheets.

Results of the LCA - Environmental impact acc. to EN 15804+A2: 1 kg EJOT JC2 Plus / Sormat S-CSA+

Core indicator	A1-A3	A5	C1	C2	C3	C4	D
GWP total [kg CO2 eq.]	1.17E+00	6.49E-02	0.00E+00	1.07E-02	1.46E-02	0.00E+00	1.47E-01
GWP fossil [kg CO2 eq.]	1.21E+00	7.59E-03	0.00E+00	1.05E-02	1.44E-02	0.00E+00	1.47E-01
GWP biogenic [kg CO2 eq.]	-4.91E-02	5.70E-02	0.00E+00	3.24E-05	1.09E-04	0.00E+00	-4.52E-05
GWP luluc [kg CO2 eq.]	2.92E-03	1.60E-05	0.00E+00	1.71E-04	9.02E-05	0.00E+00	1.96E-05
ODP [kg CFC11 eq.]	1.29E-10	8.60E-15	0.00E+00	1.50E-15	2.04E-13	0.00E+00	-2.26E-13
AP [mol H+ eq.]	3.76E-03	5.60E-06	0.00E+00	4.34E-05	4.58E-05	0.00E+00	3.63E-04
EP freshwater [kg PO4 eq.]	5.63E-06	5.62E-09	0.00E+00	4.35E-08	5.98E-08	0.00E+00	3.01E-08
EP marine [kg N eq.]	1.36E-03	2.35E-06	0.00E+00	2.06E-05	1.81E-05	0.00E+00	5.78E-05
EP terrestrial [mol N eq.]	1.48E-02	2.76E-05	0.00E+00	2.30E-04	1.99E-04	0.00E+00	5.16E-04
POCP [kg NMVOC eq.]	3.62E-03	5.02E-06	0.00E+00	4.12E-05	4.10E-05	0.00E+00	2.36E-04
ADPE [kg Sb eq.]	5.37E-06	1.53E-10	0.00E+00	8.85E-10	2.14E-09	0.00E+00	8.46E-07
ADPF [MJ]	1.82E+01	2.08E-02	0.00E+00	1.34E-01	2.58E-01	0.00E+00	1.44E+00
WDP [m³ world eq.]	1.34E-01	6.92E-04	0.00E+00	1.58E-04	2.56E-03	0.00E+00	9.77E-03

Key: GWP = Global Warming Potential; ODP = Ozone Depletion Potential; AP = Soil and Water Acidification Potential; EP = Eutrophication Potential; POCP = Tropospheric Ozone Creation Potential; ADPE = Abiotic Resource Depletion Potential – non-fossil resources; ADPF = Abiotic Resource Depletion Potential - fossil fuels (ADP - fossil energy sources); WDP = water depletion potential (users).

Results of the LCA – Indicators to describe resource use acc. to EN 15804+A2: 1 kg EJOT JC2 Plus / Sormat S-CSA+

Indicator	A1-A3	A5	C1	C2	C3	C4	D
PERE [MJ]	3.22E+01	7.47E-02	0.00E+00	1.16E-02	1.42E-01	0.00E+00	-7.55E-02
PERM [MJ]	6.80E-02	-6.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT [MJ]	3.23E+01	6.72E-03	0.00E+00	1.16E-02	1.42E-01	0.00E+00	-7.55E-02
PENRE [MJ]	1.81E+01	9.28E-02	0.00E+00	1.34E-02	2.58E-01	0.00E+00	1.40E+00
PENRM [MJ]	7.20E-01	-7.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT [MJ]	1.82E+01	2.08E-02	0.00E+00	1.34E-02	2.58E-01	0.00E+00	1.44E+00
SM [kg]	1.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-8.60E-02
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW [m³]	7.53E-03	1.89E-05	0.00E+00	1.29E-05	1.11E-04	0.00E+00	1.51E-02

Key: PERE = Renewable primary energy as energy carrier; PERM = Renewable primary energy for material use; PERT = Total renewable primary energy; PENRE = Non-renewable primary energy as energy carrier; PENRM = Non-renewable primary energy for material use; PENRT = Total non-renewable primary energy; SM = Use of secondary materials; RSF = Renewable secondary fuels; NRSF = Non-renewable secondary fuels; FW = Net input of freshwater resources.

Results of the LCA – Waste categories and output flows acc. to EN 15804+A2: 1 kg EJOT JC2 Plus / Sormat S-CSA+

Indicator	A1-A3	A5	C1	C2	C3	C4	D
HWD [kg]	1.10E-07	1.18E-11	0.00E+00	5.14E-12	2.74E-10	0.00E+00	1.11E-08
NHWD [kg]	6.94E-02	3.31E-05	0.00E+00	2.19E-05	1.66E-04	0.00E+00	-1.88E-02
RWD [kg]	8.96E-04	1.27E-06	0.00E+00	2.45E-07	3.02E-05	0.00E+00	-3.89E-06
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR [kg]	0.00E+00	3.80E-02	0.00E+00	0.00E+00	1.00E+00	0.00E+00	0.00E+00
MER [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE [MJ]	0.00E+00	1.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET [MJ]	0.00E+00	2.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Key: HWD = Hazardous Waste to Landfill; NHWD = Disposed Non-Hazardous Waste; RWD = Disposed Radioactive Waste; CRU = Components for Reuse; MFR = Materials for Recycling; MER = Materials for Energy Recovery; EEE = Exported Energy – electrical; EET = Exported Energy – thermal.

3 Results overview

Influence on LEED criteria



Materials and Resources

MR Credit: Reduce Embodied Carbon

Intent: To track and reduce embodied carbon of major structural, enclosure, and hardscape materials from construction processes on new construction and renovation projects.

Option 1. Whole Building Life-Cycle Assessment

Prerequisite: Life cycle assessments of the construction products actually used.

- A manufacturer's own EPD in accordance with EN 15804 for: EJOT JC2 Plus / Sormat S-CSA+
- The ecological life cycle analysis is supported at building level on the basis of verified life cycle assessment results according to ISO 14040/44.

MR Credit: Building Product Selection and Procurement

Intent: To encourage the use of products and materials that have sustainability information available and that have environmentally, economically, and socially preferable impacts in alignment with industry momentum. To reward project teams for selecting products from manufacturers who have disclosed sustainability information about their products and have optimized their products across multiple criteria areas.

EJOT JC2 Plus and Sormat S-CSA+ concrete screws are eligible multi-attribute products under LEED v5. They make contributions in the following areas:

Climate Health Level 1: EPD

- Environmental product declaration complies with ISO 14025, 14040/44 and EN 15804+A2 with a cradle-to-gate scope with modules
- Product-specific Type III EPD, including external verification

Human Health Level 1: Reach

- All ingredients are tested according to the current REACH list of candidates. The product does not contain any substances of concern. Certificates are available on request.

MR Credit: Construction and Demolition Waste Diversion

Intent: To reduce construction and demolition waste disposed of in landfills and incineration facilities and pollution to the environment. To reduce the environmental impacts and embodied carbon of manufacturing new materials and products. To delay the need for new landfill facilities that are often located in frontline communities. To create green jobs and materials markets for building construction services.

EJOT JC2 Plus and Sormat S-CSA+ Concrete screws are fully recyclable (100% recycling rate) and are therefore a suitable target for keeping resources out of landfills. They can be disposed of separately (by appropriate dismantling) or directly with the installed elements during demolition. These are fed into the recycling process in accordance with the applicable disposal guidelines.

Direct reuse for structural applications is not recommended.

Further information can be found in the EPD Section 2.14 and 2.15.

4 Evidence

In the context of LEED projects, corresponding certificates, brochures and other relevant documents are made available.

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This document provides relevant data on a building material/building product in accordance with the LEED v5 Scorecard, based on the current draft of LEED v5 from November 2025. It is primarily designed to assist planners and architects in efficiently obtaining the necessary product information for their project assessments.

As part of the evaluation, product characteristics are analyzed in the context of the LEED v5 certification system. Relevant individual criteria are identified and applied to the building level to support compliance with LEED requirements.

LEED Version
LEED v5 Building Design and Construction rating system for new constructions in version 2025

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