JANISOL ARTE 2.0

JANSEN AG | JANSEN AMERICA INC

LEED product verification

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PRODUCT VERIFICATION

LEED certification is assigned to a building based on the nine criteria mentioned in other areas of this report. Building materials are not certified but rather are individual components which, by playing their own role in the makeup of the building, contribute directly or indirectly to the certification criteria used for LEED.

The aim of this verification is to illustrate how the use of Jansen Steel Systems can positively influence certification criteria and, in so doing, support those pursing LEED certification for their building.

PRODUCT SYSTEM

Janisol Arte 2.0 are thermally broken steel systems for doors and windows. They are available in steel, stainless steel and corten steel. They have a 60mm depth and a variety of face widths starting from 45mm. There is a wide variety of design options covering many standard and non-standard door and window applications.

Janisol Arte 2.0 door systems average the following material breakdown: Glazing approx. 57%; Steel approx. 29%; Plastics and fillers approx. 12%; Stainless steel approx. 1%; Aluminum approx. 1%

Janisol Arte 2.0 window systems material breakdown: Glazing approx. 54%; Steel approx. 32%; Plastics and fillers approx. 8%; Stainless steel approx. 12%; Aluminum approx. 2%

Key technical indicators of the Janisol Arte 2.0 systems:

- Heat Transfer Coefficient 1.6 W/(m^2K) for doors and 1.9 W/(m^2K) for windows as per DIN EN 12207
- Air Permeability Class 4 for both doors & windows according to EN 12207
- Sound Insulation value Rw47 dB for doors & windows up to 45 Rw47 dB (-1;-.5) as per EN ISO 10140

Please refer to the Jansen website and/or EPD documents for further information on these indicators plus additional technical criteria.

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EPEA
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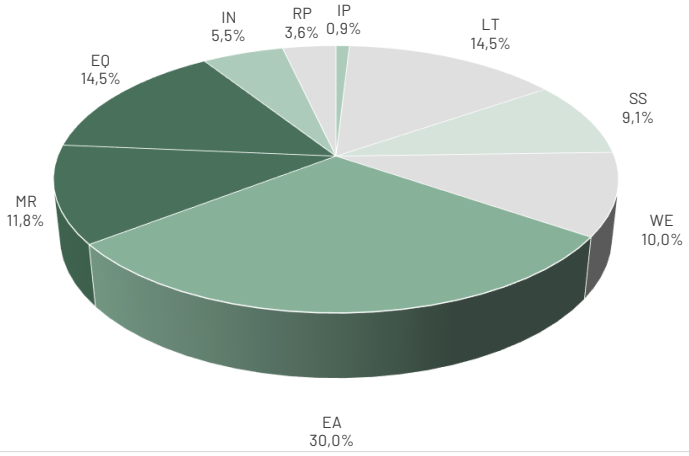
JANSEN

Janisol Arte 2.0

PRODUCT CONTRIBUTION



Category Weighting	Category LEED v4.1	Category Weighting (Credits)	Category Weighting (%)	Product Influence to Category: Direct Impact	Product Influence to Category: Indirect Impact*
	IP - INTEGRATIVE PROCESS	1	0,9%	NO	HIGH
	LT - LOCATION AND TRANSPORTATION	16	14,5%	NO	LOW
	SS - SUSTAINABLE SITES	10	9,1%	NO	MODERATE
	WE - WATER EFFICIENCY	11	10,0%	NO	VERY LOW
	EA - ENERGY AND ATMOSPHERE	33	30,0%	NO	VERY HIGH
	MR - MATERIALS AND RESOURCES	13	11,8%	YES	MODERATE
	EQ - INDOOR ENVIRONMENTAL QUALITY	16	14,5%	YES	VERY HIGH
	IN - INNOVATION	6	5,5%	NO	HIGH
	RP - REGIONAL PRIORITY	4	3,6%	NO	LOCATION DEPENDENT
		110	100%		

Direct contribution of the product

- *Materials and Resources (MR):* This product directly contributes to achieving points by providing an Environmental Product Declaration (EPD) with reduced Global Warming Potential (GWP) and by incorporating recycled content in the profiles. It also indirectly supports improved building life-cycle impact reduction results.
- *Indoor Environmental Quality (EQ):* The product directly contributes by being made of inherently non-emitting materials, supporting compliance with low-emitting material requirements and improving indoor air quality. There is also indirect contribution through better insulation and reduced drafts, enhancing daylight penetration, enabling quality exterior views, and supporting balanced interior lighting conditions that improve occupant comfort and wellbeing.

Indirect contribution of the product

- *Energy and Atmosphere (EA):* Doors and windows significantly influence building energy performance by affecting heat transfer, solar heat gains, air tightness, and daylight availability, thereby reducing heating, cooling, and artificial lighting demand and supporting optimized energy performance credits.
- *Location & Transportation (LT):* Doors and windows have minimal impact, but façade design and views can indirectly support connectivity concepts such as visibility of transit, bike access, and surrounding amenities.
- *Sustainable Sites (SS):* Window glazing and façade design can indirectly support site sustainability by influencing heat reflection, façade microclimate interaction, and daylight access related to outdoor and site planning strategies.
- *Water Efficiency (WE):* Windows have negligible direct impact, but effective daylighting can support indoor vegetation strategies that may reduce reliance on supplemental irrigation in specific project scenarios.
- *Innovation (IN):* High-performance or innovative door and window systems—such as advanced glazing, high recycled content, bird-safe glass, or exceptional daylight performance—can contribute to Innovation credits if they demonstrate performance beyond standard LEED requirements.
- *Regional Priority (RP):* Energy-efficient and high-daylighting door and window systems can support achievement of credits that are regionally prioritized, particularly those related to energy performance and indoor environmental quality.
- *Integrative Process (IP):* Doors and windows play a central role in integrative design by influencing energy modeling, daylight simulations, thermal comfort analysis, and material optimization, thereby supporting early-stage design decisions required for Integrative Process credits.

ABOUT

Green-Building System LEED

Developed by the U.S. Green Building Council, LEED (Leadership in Energy and Environmental Design) is the world's leading certification system for sustainable buildings and neighborhoods. Since its launch in 1998, more than 84,000 projects worldwide have achieved LEED certification, setting the benchmark for energy efficiency, environmental responsibility, and healthy indoor environments.

The voluntary program evaluates projects across nine performance categories, awarding internationally recognized certification levels—Certified, Silver, Gold, and Platinum—demonstrating measurable leadership in sustainable design, construction, and operations.

Jansen and its sustainability initiatives

Jansen is a Swiss-based manufacturer of architectural steel systems for doors, windows, and facades with a legacy over 100 years. Jansen America is the US subsidiary founded more recently in 2023.

Jansen prioritizes responsibility to future generations in its values, optimizing resources internally while also striving for superior building performance worldwide.

Its premium steel systems offer industry-leading strength for oversized fenestration, creative geometries, and slim aesthetics. Steel's low thermal expansion ensures stable performance across temperature changes. When paired with premium materials, these systems offer excellent thermal efficiency and long-lasting durability ranging 70-100 years.

Jansen is proud to contribute to sustainable architecture through innovative products and initiatives such as green steel, alternative energy, geothermal applications, EPDs, and these LEED contribution reports.

The author (EPEA – Part of Drees & Sommer)

EPEA - Part of Drees & Sommer, brings nearly 40 years of leadership in sustainable construction products and circular building systems. EPEA supports manufacturers and developers with material health assessments, circular product design, and Cradle to Cradle–aligned solutions that enable safer, future-ready building materials.

This expertise is reinforced by Drees & Sommer's more than 50 years of experience delivering sustainable real estate and infrastructure projects worldwide, including numerous certified green buildings across international standards such as DGNB, LEED, and BREEAM. Together, they offer proven capabilities in integrating sustainable products and circular systems into complex projects, helping clients realize high-performance, future-ready green buildings at scale.

This document

This document has been issued by EPEA GmbH based on product information provided by Jansen AG. Its purpose is to illustrate the potential contribution of the referenced door and window systems to LEED certification criteria.

LEED certifies the overall performance of a building, not individual products. Final credit achievement depends on the specific building design, documentation, and evaluation by the project team or a qualified LEED professional. This document does not constitute a LEED certification, nor does it verify or guarantee compliance with any specific LEED credit.

The information presented is based on manufacturer-supplied data. While prepared with due care, EPEA GmbH does not guarantee completeness or accuracy and assumes no liability for certification outcomes. Responsibility for confirming compliance with LEED requirements and providing appropriate supporting documentation remains with the project team.