

Product Verification

Sustainability

Self declared according to LEED Building Design and Construction V4 (2015)

Product Systems

JORDAHL Punching and Shear Reinforcement Systems JDA

PohlCon GmbH

The product portfolio of JORDAHL® reinforcement systems includes punching shear reinforcement of the type JDA, JDA-FT-KL, JDA-S. JORDAHL® punching shear reinforcement is a system consisting of a flat steel bar with at least two (welded or clicked) double-headed anchors in ribbed design fixed to the bar. The JORDAHL® punching shear reinforcement is used for the transfer of high shear forces in flat slabs with low reinforcement requirements. This means that floor heights can be used optimally. It can be used both in foundations and in-situ concrete as well as in element ceilings (except shear reinforcement for element ceilings) and can be integrated into the reinforcement from above and below. Through its use, the punching resistance and the load-bearing capacity can be increased by up to 96 %. JORDAHL® punching shear reinforcements are available in various designs, depending on the static requirements of a project.

<https://pohlcon.com/produkte/bewehrung/durchstanzbewehrung>





Product Assessment

Materials and Resources

Criteria	Product Verification
MR Credit Life-Cycle Impact Reduction - Option 4: Whole-Building Life-Cycle Assessment	EPD available: Yes
MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration	100 % weighted value
MR Credit BPDO - Environmental Product Declaration - Option 2: Multi-Attribute Optimization	100 % weighted value
MR Credit BPDO - Sourcing of Raw Materials - Option 1: Raw Material Source and Extraction Reporting	100 % weighted value
MR Credit BPDO - Sourcing of Raw Materials - Option 2: Leadership Extraction Practices	239.5 % weighted value

Indoor Environmental Quality

Criteria	Product Verification
EQ Credit Low-Emitting Materials (except Healthcare and Schools)	No

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 Reductions - Option 4: Whole-Building Life-Cycle Assessment: EPD available: Yes
- Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration: 100 % weighted value
- Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 2: Multi-Attribute Optimization: 100 % weighted value
- Weighted Product Value on Credit BPDO - Sourcing of Raw Materials - Option 1: Raw Material Source and Extraction Reporting: 100 % weighted value
- Weighted Product Value on Credit BPDO - Sourcing of Raw Materials - Option 2: Leadership Extraction Practices: 239.5 % weighted value

- The entire product contributes toward satisfying EQ Credit: Low-Emitting Materials: No

■ Ecolabels & Product-Assessments

EPD

EPD Institut Bauen und Umwelt e.V.



■ Product Properties

Ingredients:

Recycled content post-consumer:	90 wt%
Recycled content pre-consumer:	99 wt%
Reused content	100 wt%
Percentage of the product's composition, that is known to the chemical ingredient level	99 wt%
To what level of detail is the product composition known?	0 ppm
SVHC according REACH < 0,1 %:	Yes

Manufacturer:

Are reverse logistics in place for the product?	No
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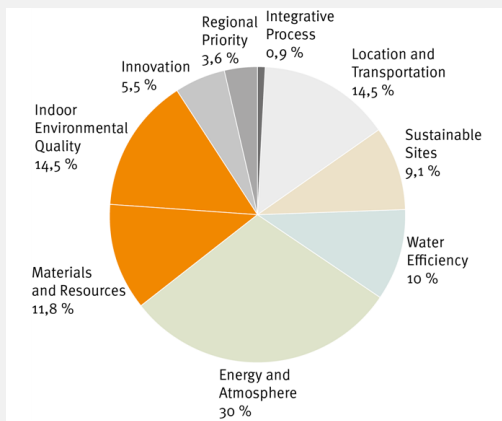
■ System description

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

■ System 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

Self declared 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 Redcuts - Option 4: Whole-Building Life-Cycle Assessment:

JORDAHL Punching and Shear Reinforcement Systems JDA	EPD available: Yes
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An environmental product declaration exists for the product:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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EPD Owner of the Declaration:

JORDAHL Punching and Shear Reinforcement Systems JDA	JORDAHL GmbH
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EPD Publisher:

JORDAHL Punching and Shear Reinforcement Systems JDA	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

JORDAHL Punching and Shear Reinforcement Systems JDA	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

JORDAHL Punching and Shear Reinforcement Systems JDA	EPD-JDL-20200261-IBB1-DE
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EPD Issue date:

JORDAHL Punching and Shear Reinforcement Systems JDA	15.02.2021
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EPD valid to:

JORDAHL Punching and Shear Reinforcement Systems JDA	14.03.2026
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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:

JORDAHL Punching and Shear Reinforcement Systems JDA	100 % weighted value
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An environmental product declaration exists for the product:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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EPD Type:

JORDAHL Punching and Shear Reinforcement Systems JDA	Product-specific EPD (Type III) conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930
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■ 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:

JORDAHL Punching and Shear Reinforcement Systems JDA	100 % weighted value
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An environmental product declaration exists for the product:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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Third party certified products that demonstrate impact reduction below industry average in at least three of the LCA-Categories GWP, ODP, AP, EP, POCP and ADPF:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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■ 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:

JORDAHL Punching and Shear Reinforcement Systems JDA	100 % weighted value
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There is a corporate sustainability reports (CSR) report from the manufacturer:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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CSR-Report according:

JORDAHL Punching and Shear Reinforcement Systems JDA	ISO 26000: 2010 Guidance on Social Responsibility - Third-party verified
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■ 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:

JORDAHL Punching and Shear Reinforcement Systems JDA	239.5 % weighted value
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Extended producer responsibility

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

JORDAHL Punching and Shear Reinforcement Systems JDA	0 %
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Bio-based materials

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

JORDAHL Punching and Shear Reinforcement Systems JDA	0 %
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Wood products

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

JORDAHL Punching and Shear Reinforcement Systems JDA	0 %
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Materials reuse

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

JORDAHL Punching and Shear Reinforcement Systems JDA	100 %
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The product is made of salvaged, refurbished, or reused products:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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Do you want to enter the content of FSC-certified materials 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 FSC certified materials for the entire product:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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Reused content

JORDAHL Punching and Shear Reinforcement Systems JDA	100 wt%
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Recycled content

Creditable recycled content according to LEED for the entire product:

JORDAHL Punching and Shear Reinforcement Systems JDA	139.5 %
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Postconsumer recycled content for the entire product:

JORDAHL Punching and Shear Reinforcement Systems JDA	90 %
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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:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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Postconsumer recycled content of product (creditable):

JORDAHL Punching and Shear Reinforcement Systems JDA	90 %
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Recycled content post-consumer:

JORDAHL Punching and Shear Reinforcement Systems JDA	90 wt%
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Postconsumer recycled content for steel according to LEED:

JORDAHL Punching and Shear Reinforcement Systems JDA	0 %
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The product is made of steel:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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Recycled content pre-consumer:

JORDAHL Punching and Shear Reinforcement Systems JDA	99 wt%
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Preconsumer recycled content for the entire product:

JORDAHL Punching and Shear Reinforcement Systems JDA	99 %
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Indoor Environmental Quality

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

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

JORDAHL Punching and Shear Reinforcement Systems JDA	No
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The product contributes toward satisfying EQ Credit 4: Low-Emitting Materials:

JORDAHL Punching and Shear Reinforcement Systems JDA	No
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Ceilings, walls, thermal, and acoustic insulation

The entire product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Ceilings, walls, thermal, and acoustic insulation:

JORDAHL Punching and Shear Reinforcement Systems JDA	No
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The product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Ceilings, walls, thermal, and acoustic insulation:

JORDAHL Punching and Shear Reinforcement Systems JDA	No
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The product is a ceiling, wall, acoustic or thermal insulation material:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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Inherently nonemitting sources

The entire product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category inherently nonemitting sources:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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The product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category inherently nonemitting sources:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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The product is an inherently nonemitting source, like stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring:

JORDAHL Punching and Shear Reinforcement Systems JDA	Yes
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■ Contact Details Manufacturer

PohlCon GmbH

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12057 Berlin
DE



■ Disclaimer

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