



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15563-10-1000

Bearbeiteter Betonstahl

Product group: Steel - Reinforced concrete

SÜLZLE

Sülzle Stahlpartner GmbH
Hauffstraße 14+15
72348 Rosenfeld



Product qualities:








Köttner

Helmut Köttner
Scientific Director
Freiburg, 08 December 2025



Contents

 SHI Product Assessment 2024	1
 QNG - Qualitätssiegel Nachhaltiges Gebäude	2
 DGNB New Construction 2018	4
 BNB-BN Neubau V2015	5
 BREEAM DE Neubau 2018	6
Product labels	7
Legal notices	8
Technical data sheet/attachments	8

The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar





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SHI Product Assessment 2024

Since 2008, Sentinel Holding Institut GmbH (SHI) has been establishing a unique standard for products that support healthy indoor air. Experts carry out independent product assessments based on clear and transparent criteria. In addition, the independent testing company SGS regularly audits the processes and data accuracy.

Criteria	Product category	Harmful substance limit	Assessment
SHI Product Assessment	Other products	TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 24 \mu\text{g}/\text{m}^3$	Indoor air neutral



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QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

Criteria	Pos. / product group	Considered substances	QNG assessment
3.1.3 Schadstoffvermeidung in Baumaterialien	not applicable	not applicable	QNG ready - Not relevant for assessment



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DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

Criteria	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)			Not relevant for assessment

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)			Not relevant for assessment



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DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact			Not relevant for assessment



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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt			Not relevant for assessment



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15563-10-1000

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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality			Not relevant for assessment



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15563-10-1000

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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.



Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.



EPD-Norge is the Norwegian program operator for Environmental Product Declarations (EPDs). The program follows ISO 14025 and EN 15804 and ensures that EPDs for construction and industrial products are published in a consistent, verified and comparable manner. Before publication, each EPD undergoes independent third-party verification; EPD-Norge provides clear procedures, Product Category Rules (PCR/NPCR) and a public register for this purpose.



Product:

Bearbeiteter Betonstahl

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Legal notices

(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/C3%BCr%20Produkte>

The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar



Publisher

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Environmental Product Declaration

In accordance with ISO14025:2006 and EN15804:2012+A2:2019

Processed reinforcing steel from bars, coils and mesh



SÜLZLE
STAHLPARTNER

Owner of the declaration:
Sülzle Stahlpartner GmbH

Product name:
Processed reinforcing steel from bars, coils and mesh

Declared unit:
1 kg

Product category /PCR:
CEN Standard EN 15804:2012+A2:2019 &
NPCR 013:2021 Part B for Steel and aluminium
construction products 3.0

Program holder and publisher:
The Norwegian EPD foundation

Declaration number:
NEPD-12995-14272

Registration number:
NEPD-12995-14272

Issue date: 2025.11.10

Valid to: 2030.11.10

General information

Product:

Processed reinforcing steel from bars, coils and mesh

Program operator:

The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 23 08 80 00
e-mail: post@epd-norge.no

Declaration number:

NEPD-12995-14272

This declaration is based on Product Category Rules:

NPCR 013 Part B for Steel and Aluminium
Construction Products Version 3.0

Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD Norway shall not be liable with respect to manufacturer, life cycle assessment data and evidences.

Declared unit:

1 kg of processed reinforcing steel from bars, coils, and mesh

Declared unit with option:

1 kg of processed reinforcing steel from bars, coils, and mesh

Functional unit:

Not applicable

Verification:

Independent verification of the declaration and data, according to ISO14025:2010

internal ☐

external ☒



Elisabet Amat, GREENIZE

Independent verifier approved by EPD Norway

Owner of the declaration:

SÜLZLE Stahlpartner GmbH
e-mail: nachhaltigkeit@Suelzle-Gruppe.de

Manufacturer:

SÜLZLE Stahlpartner GmbH
Hauffstraße 14 , 72348 Rosenfeld, DE

Place of production:

The EPD represents an average of 16 production sites of SÜLZLE Stahlpartner GmbH in Germany

Management system:

ISO 14001

Organisation no:

Issue date:

2025.11.10

Valid to:

2030.11.10

Year of study:

1st May 2024 – 30th April 2025

Comparability:

EPD of construction products may not be able to compare if they do not comply with EN 15804 and are seen in a building context.

The EPD has been worked out by:

EPEA GmbH – Part of Drees & Sommer

Approved Manager of EPD Norway



Håkon Hauan, CEO EPD-Norge

Processed reinforcing steel from rods, coils, and mesh

Product description:

Reinforcing steel that is processed by SÜLZLE specifically for the needs of the client into the form that is required in the respective project. The product represents the average production mix of all current production sites in Germany.

Product specification:

Reinforcing steel made from 95% steel scrap.

Materials	kg	%
Steel	1.00	100 %

Technical data:

Standard: DIN 488 Reinforcing steel

Ductility class B500A

- Material number: 1.0438
- Yield strength ratio (R_m/R_e): 1.05
- Total elongation at maximum load (A_{gt}): 2.5 %

Ductility class B500B

- Material number: 1.0439
- Yield strength ratio (R_m/R_e): 1.08
- Total elongation at maximum load (A_{gt}): 5.0%
-

The production sites Rosenfeld, Dessau-Roßlau, Lübeck, Seelze are certified according to ISO 9001:2015

All productions sites are certified according to ISO 50001:2018

Welding of steel structures up to EXC 2 in the sites Lübeck and Dessau is in accordance with EN 1090-2

Market:

Germany

Reference service life, product:

50 years

Reference service life, building:

50 years

LCA: Calculation rules

Declared unit:

1 kg of processed reinforcing steel from rods, coils, and mesh

Cut-off criteria:

Packaging material which accounted for less than 0,1% of the total material mass was excluded from this study. The excluded packaging material does not contain any biogenic carbon.

Allocation:

No allocation procedures were required as there is no co-product. In accordance with EN 15804 all the material and energy flows are allocated to the product of the respective production site. The results shown in this EPD are a weighted average across all production sites in Germany.

Data quality:

The processing of the customized steel bars takes place in Germany. Therefore, wherever possible a German dataset was selected. If no dedicated German dataset was available, a European or alternatively a Swiss dataset was used as an approximation. If none of those options were available, a global dataset was used.

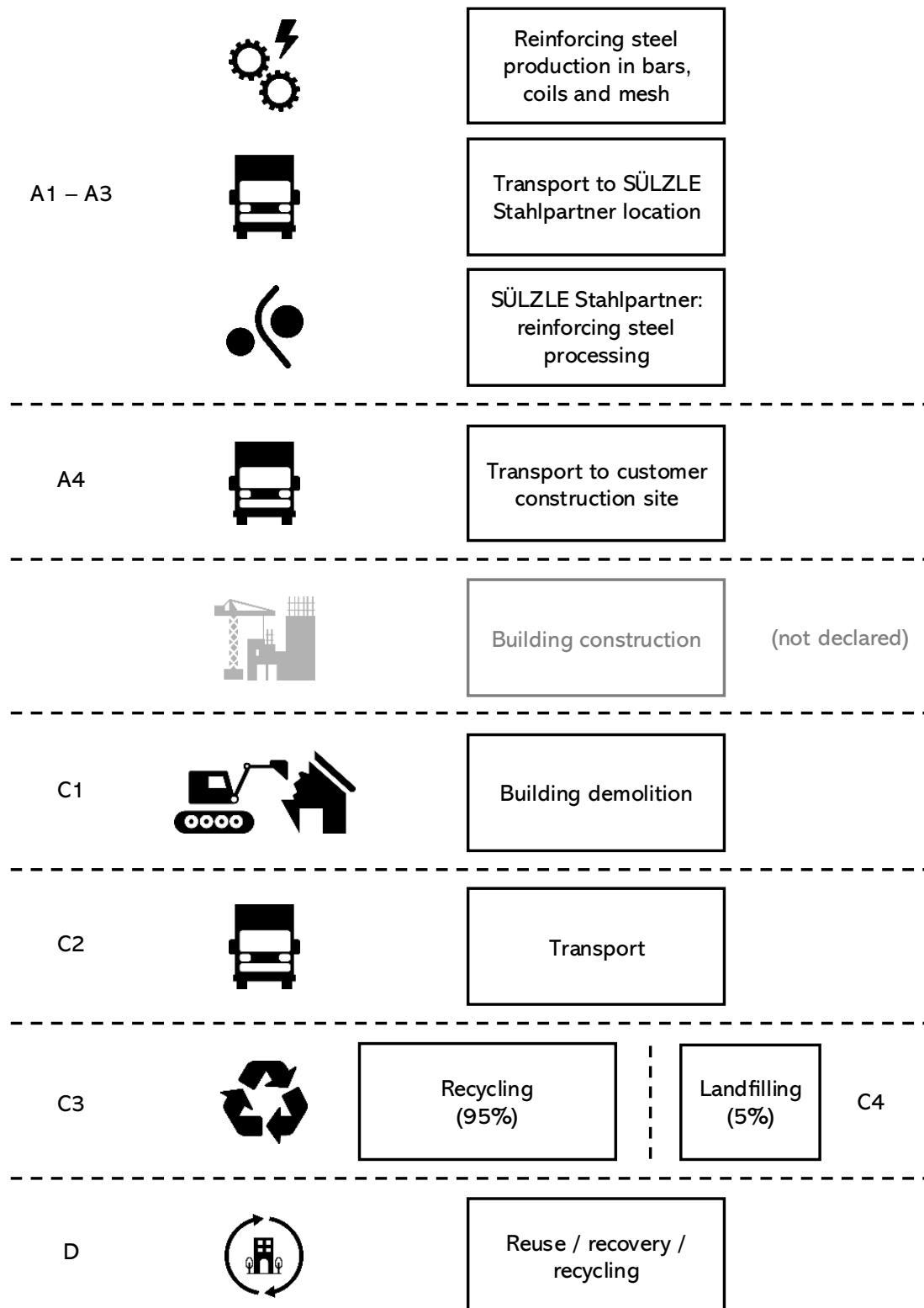
For each of their suppliers, a dedicated EPD was used as data source wherever possible. To maintain database consistency, only EPDs that are based onecoinvent were included. For all steel suppliers that did not provide an EPD, a custom dataset that represents the average of all other suppliers was created.

In terms of technological representation, as the process only covers the processing of the steel and the energy demand for that process was directly measured at site, the technological data quality was deemed as optimal.

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

Product stage			Assembly stage		Use stage							End of life stage				Benefits & loads beyond system boundary
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	MND	MNR	MNR	MNR	MNR	MNR	MNR	MNR	X	X	X	X	X

This EPD represents a cradle to gate with options, with modules A1-A3, A4, C1-C4, and D as shown in the flowchart. Any cutoffs are treated within module A3. 95 % of the total mass go into recycling, which is considered in module C3, whereas the remaining 5 % are landfilled which is considered in module C4.



LCA: Scenarios and additional technical information

The following information describes the scenarios in the different modules of the EPD.

Transport from production place to assembly/user (A4)

Transport from production place to assembly/user (A4)	Capacity utilisation (incl. return) [%]	Distance [km]	Fuel/Energy consumption	Unit	Value
Truck	61%	80	0,044	l/km	3,49 l

The values for capacity utilization and fuel consumption were taken directly from the corresponding Ecoinvent processes.

End of Life (C1, C3, C4)

	Unit	Value
Recycling	kg	0.95
To landfill	kg	0.05

Shares are taken from the NMD default waste treatment scenario for reinforcing steel.

In C1 deconstruction with a diesel-operated building machine is considered. The Average consumption of demolition machines was set to be 0,001 liters per kg of Steel.

Transport to waste processing (C2)

Transport from production place to assembly/user (C2)	Capacity utilisation (incl. return) [%]	Distance [km]	Fuel/Energy consumption	Unit	Value
Truck (to landfill)	61%	100	0,044	l/km	4,36 l
Truck (to recycling)	61 %	50	0,044	l/km	2,18 l

The values for capacity utilization and fuel consumption were taken directly from the corresponding Ecoinvent processes.

Benefits and loads beyond the system boundaries (D)

As per net flow calculation, no benefits or loads beyond the system boundaries are accounted for as the secondary material share going into the system equals the secondary material that is leaving the system. Therefore, the net use/supply of secondary material equals zero.

LCA: Results

Benefits and loads beyond the system boundaries (D)	Unit	Value
Substitution of primary steel with net scrap	kg	0

The result tables are given using a *market-based approach* for foreground system (A3)
More information about transparent reporting of electricity in the additional requirements section.

Core environmental impact indicators

Indicator	Unit	A1-A3	A4	C1	C2	C3	C4	D
GWP - total	kg CO2 eq	5,31E-01	8,32E-03	3,51E-03	5,46E-03	2,58E-03	3,81E-05	0,00E+00
GWP - fossil	kg CO2 eq	5,20E-01	8,32E-03	3,51E-03	5,46E-03	2,57E-03	2,85E-05	0,00E+00
GWP - biogenic	kg CO2 eq	1,21E-02	4,43E-06	3,84E-07	2,91E-06	3,20E-06	9,57E-06	0,00E+00
GWP - luluc	kg CO2 eq	3,24E-04	2,94E-06	3,05E-07	1,93E-06	3,37E-06	7,35E-09	0,00E+00
ODP	kg CFC11 eq	1,12E-08	1,73E-10	5,37E-11	1,13E-10	1,81E-11	7,85E-13	0,00E+00
AP	molc H+ eq	2,26E-03	2,05E-05	3,17E-05	1,34E-05	1,36E-05	1,58E-07	0,00E+00
EP- freshwater	kg P eq	3,39E-05	5,83E-07	1,03E-07	3,83E-07	1,14E-06	8,78E-09	0,00E+00
EP -marine	kg N eq	5,76E-04	5,61E-06	1,47E-05	3,68E-06	2,75E-06	6,48E-08	0,00E+00
EP - terrestrial	molc N eq	7,05E-03	6,07E-05	1,61E-04	3,99E-05	2,82E-05	7,05E-07	0,00E+00
POCP	kg NMVOC eq	1,93E-03	3,52E-05	4,80E-05	2,31E-05	8,42E-06	2,67E-07	0,00E+00
ADP-M&M ²	kg Sb-Eq	1,41E-06	2,37E-08	1,29E-09	1,56E-08	1,44E-08	6,69E-11	0,00E+00
ADP-fossil ²	MJ	8,58E+00	1,24E-01	4,59E-02	8,16E-02	3,32E-02	5,46E-04	0,00E+00
WDP ²	m ³	1,04E-01	6,25E-04	1,13E-04	4,10E-04	5,59E-04	3,78E-06	0,00E+00

GWP-total: Global Warming Potential; **GWP-fossil:** Global Warming Potential fossil fuels; **GWP-biogenic:** Global Warming Potential biogenic; **GWP-LULUC:** Global Warming Potential land use and land use change; **ODP:** Depletion potential of the stratospheric ozone layer; **AP:** Acidification potential, Accumulated Exceedance; **EP-freshwater:** Eutrophication potential, fraction of nutrients reaching freshwater end compartment; See "additional Norwegian requirements" for indicator given as PO4 eq. **EP-marine:** Eutrophication potential, fraction of nutrients reaching freshwater end compartment; **EP-terrestrial:** Eutrophication potential, Accumulated Exceedance; **POCP:** Formation potential of tropospheric ozone; **ADP-M&M:** Abiotic depletion potential for non-fossil resources (minerals and metals); **ADP-fossil:** Abiotic depletion potential for fossil resources; **WDP:** Water deprivation potential, deprivation weighted water consumption

Reading example: $9.0 \text{ E-}03 = 9.0 \cdot 10^{-3} = 9.0 \cdot \frac{1}{10} \cdot \frac{1}{10} = 0.009$ $9.0 \text{ E+}03 = 9.0 \cdot 10^3 = 9.0 \cdot 10 \cdot 10 \cdot 10 = 9000$

Additional environmental impact indicators

Indicator	Unit	A1-A3	A4	C1	C2	C3	C4	D
PM	Disease incidence	5,24E+02	8,12E-10	9,00E-10	5,33E-10	1,29E-10	4,32E-12	0,00E+00
IRP ¹	kBq U235 eq.	5,24E+02	1,51E-04	2,06E-05	9,92E-05	3,38E-04	6,96E-07	0,00E+00
ETP-fw ²	CTUe	5,30E+02	2,94E-02	6,51E-03	1,93E-02	8,27E-03	2,59E-04	0,00E+00
HTP-c ²	CTUh	5,24E+02	5,30E-11	1,37E-11	3,48E-11	5,57E-12	2,83E-13	0,00E+00
HTP-nc ²	CTUh	5,24E+02	8,21E-11	6,26E-12	5,39E-11	2,44E-11	2,20E-13	0,00E+00
SQP ²	Dimensionless	5,28E+02	1,25E-01	3,23E-03	8,21E-02	1,93E-02	8,37E-04	0,00E+00

PM: Particulate matter emissions; **IRP:** Ionising radiation, human health; **ETP-fw:** Ecotoxicity (freshwater); **ETP-c:** Human toxicity, cancer effects; **HTP-nc:** Human toxicity, non-cancer effects; **SQP:** Land use related impacts / soil quality

¹ This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

² The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

Resource use

Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
PERE	MJ	7,57E-01	1,97E-03	2,82E-04	1,30E-03	4,51E-03	1,50E-05	0,00E+00
PERM	MJ	8,38E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,59E+00	1,97E-03	2,82E-04	1,30E-03	4,51E-03	1,50E-05	0,00E+00
PENRE	MJ	6,68E+00	1,13E-01	4,14E-02	7,40E-02	3,24E-02	4,96E-04	0,00E+00
PENRM	MJ	2,16E+00	1,16E-02	4,53E-03	7,60E-03	8,27E-04	5,03E-05	0,00E+00
PENRT	MJ	8,86E+00	1,24E-01	4,59E-02	8,16E-02	3,32E-02	5,46E-04	0,00E+00
SM	kg	1,19E+00	1,29E-04	2,72E-05	8,49E-05	7,77E-05	8,48E-06	0,00E+00
RSF	MJ	3,63E-03	3,29E-05	3,21E-06	2,16E-05	4,01E-05	1,86E-07	0,00E+00
NRSF	MJ	9,68E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m³	4,35E-03	1,81E-05	2,99E-06	1,19E-05	1,60E-05	4,67E-07	0,00E+00

PERE Renewable primary energy resources used as energy carrier; **PERM** Renewable primary energy resources used as raw materials; **PERT** Total use of renewable primary energy resources; **PENRE** Nonrenewable primary energy resources used as energy carrier; **PENRM** Nonrenewable primary energy resources used as materials; **PENRT** Total use of non-renewable primary energy resources; **SM** Use of secondary materials; **RSF** Use of renewable secondary fuels; **NRSF** Use of non-renewable secondary fuels; **FW** Use of net fresh water.

End of life – Waste

Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
HWD	kg	9,16E-04	1,23E-04	3,98E-05	8,10E-05	1,12E-04	8,76E-07	0,00E+00
NHWD	kg	1,15E-01	1,20E-03	2,98E-04	7,85E-04	2,60E-04	5,10E-02	0,00E+00
RWD	kg	3,51E-05	3,74E-08	5,05E-09	2,45E-08	8,27E-08	1,70E-10	0,00E+00

HWD Hazardous waste disposed; **NHWD** Non-hazardous waste disposed; **RWD** Radioactive waste disposed.

End of life – output flow

Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
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	1,77E-01	1,12E-04	2,24E-05	7,33E-05	9,50E-01	2,73E-04	0,00E+00
MER	kg	5,50E-05	1,48E-08	1,44E-09	9,69E-09	1,80E-08	8,35E-11	0,00E+00
EEE	MJ	9,67E-04	1,84E-05	2,05E-06	1,21E-05	2,99E-05	2,04E-04	0,00E+00
EET	MJ	3,24E-03	2,21E-05	1,09E-06	1,45E-05	1,88E-06	3,96E-05	0,00E+00

CRU Components for reuse; **MFR** Materials for recycling; **MER** Materials for energy recovery; **EEE** Exported electric energy; **EET** Exported thermal energy.

Information describing the biogenic carbon content at the factory gate

Biogenic carbon content	Unit	Value
Biogenic carbon content in product	kg C	0
Biogenic carbon content in the accompanying packaging	kg C	0

Note: 1 kg biogenic carbon is equivalent to 44/12 (approx. 3.67) kg CO₂

Additional requirements

Transparent reporting of energy

The EPD provides in the main result tables environmental impact categories based on a *market based approach*. The information below is provided so EPD users are able to understand the effect of these methodological choices.

The table below shows calculation of GWP-total for energy resources used in the manufacturing process (A3) for each approach.

Energy source	Data source	Amount*	Unit	GWP _{total} [kg CO ₂ - eq/unit]	SUM [kg CO ₂ - eq]
Guarantees of origin: Grid electricity	Vattenfall	1,11E-02	kWh	0,031	3,46E-04
Guarantees of origin: Self-generated solar electricity	Sülzle	1,41E-03	kWh	0,116	1,63E-04

The electricity guarantee of origin and/or biogas certificate utilized in this EPD is provided by *Vattenfall Real Estate Energy Sales GmbH* and certifies that the provided electricity consists of 100% renewable hydro power. Additionally, Sülzle themselves generate their own renewable solar electricity.

Hazardous substances

The declaration is based upon reference to threshold values and/or test results and/or material safety data sheets provided to EPD verifiers. Documentation available upon request to EPD owner.

- ☒ The product contains no substances given by the REACH Candidate list.
- ☐ The product contains substances given by the REACH Candidate list that are less than 0,1 % by weight.
- ☐ The product contains dangerous substances, more then 0,1% by weight, given by the REACH Candidate List, see table.
- ☐ The product contains no substances given by the REACH Candidate list.
- ☐ The product is classified as hazardous waste, see table.

Name	CAS no.	Amount

Indoor environment






The product meets the requirements for low emissions.

Carbon footprint

While a carbon footprint analysis has not been conducted for the product separately, the results section does include an evaluation of Global Warming Potential (GWP) with such an analysis. The GWP total results presented in this EPD document represents the carbon footprint of the product studied

Bibliography

ISO 14025:2010	Environmental labels and declarations - Type III environmental declarations - Principles and procedures
ISO 14044:2006	Environmental management - Life cycle assessment - Requirements and guidelines
EN 15804:2012+A2:2019	Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products
ISO 21930:2017	Sustainability in building construction - Environmental declaration of building products
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NPCR Part A	NPCR Part A: Construction products and services, Version 2.0, EPD Norge, 2021
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Fahy, K et al.	Fahy, K, Kelly, M, Newell, S - Analysis of Circular Economy Interventions during the Demolition and Enabling Phase of a Construction Project: An Irish Case Study
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 epd-norway <small>Global Program Operator</small>	Program Operator	Phone:	+47 23 08 80 00
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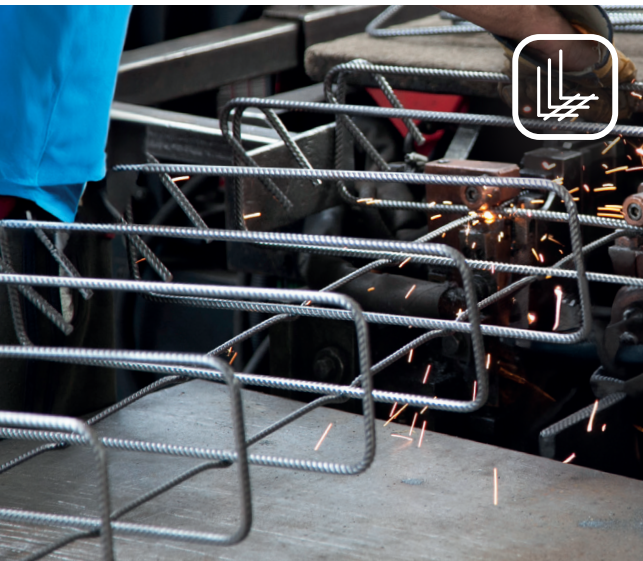
REBAR FABSHOP AND REINFORCEMENT TECHNOLOGY

Concrete reinforcement steel in rod shape, coils, as storage and list mats – bent, cut or even as a ready-welded reinforced steel cage in any quality, shape and quantity. In our 18 rebar fabshops in Germany, we offer a comprehensive range of products and services, with professional reinforcement technology and processing playing a special role.

Our product solutions are used in various construction projects, from buildings, halls, roads, bridges and tunnels to other infrastructure projects. Together with our customers, we find the right solution for every project size and technical challenge. We are vast as your needs require. Our experienced employees, state-of-the-art machinery and vehicle fleet as well as automated and digitalized processes ensure precise production, processing and order-related assembly as well as on-time delivery to the construction site.

Partnership, reliability and flexibility are also important core pillars of our work in reinforcement. This enables us to respond to your needs at all times – even if unforeseen circumstances change. At the same time, thanks to our specialist knowledge and quality management, which has grown over generations, and the precision of state-of-the-art machines, you can rely on exact bending accuracy and the best bending quality as well as on our delivery dates.

EFFICIENCY THROUGH CUSTOMIZATION



SÜLZLE REINFORCED STEEL CAGE (SAK)

SÜLZLE reinforcement cages are produced individually to order and according to customer specifications. With a bar diameter of 8 to 14 mm and a stirrup spacing from 50 mm, we manufacture CNC-controlled foundation cages or cap stirrups with the highest precision. They increase one-man performance on the construction site and guarantee 100 % accuracy of fit thanks to machine production. This can save up to 50 % of working time on site, depending on the design. The optimization of the reinforcement routing also ensures significant material savings.



BORED PILE REINFORCEMENT

SÜLZLE reinforcement cages for bored piles are ideal if a deep foundation is necessary due to the unsuitability of the ground. Thanks to our state-of-the-art machinery, bored pile reinforcements up to a length of 18 meters can be manufactured as individual cages with a diameter of 190 to 1,700 mm, longer cages are manufactured as butt cages. Professionally welded flat steel rings, base crosses, base plates and spacers ensure the necessary stability in accordance with structural analysis and applicable standards – customized and precisely fitting.



DIAPHRAGM WALLS

SÜLZLE diaphragm wall reinforcement is often used in the construction of excavation pits, where it is inserted vertically into the ground and then concreted. This construction method prevents neighboring buildings, facilities or roads from slipping into the excavation pit. The slots in the ground are created using our customers' diaphragm wall grabs. The diaphragm wall reinforcement for special civil engineering from SÜLZLE Stahlpartner can be manufactured in various shapes up to a length of 23 meters as a single cage and, if longer installation lengths are required, as a butt cage. Furthermore, we can manufacture cages up to 3,000 mm wide and 2,500 mm high and produce unit weights of up to 25 tons with our modern production and crane systems on a project-specific and tailor-made basis.



THREADED COUPLER

Our construction accessories such as threaded coupler are also tried and tested and well thought-out: we offer you a wide range of standard couplers, positioning couplers and reducing couplers that connect reinforcing steel directly and without any additional tools. Screw connections replace the need to butt the reinforcement and offer 100 % load-bearing capacity for tensile, compressive and dynamic loads. The reinforcement is accepted with a simple visual inspection, giving you maximum safety and reducing your costs.



For us, fine craftsmanship is encapsulated in simplifying complex tasks.

We offer you professional products and services that have become a proven standard thanks to our experience. For your everyday life, they mean time savings, higher quality and safety and therefore and thus a clear competitive advantage.

Discover with us your customized solution.

