

ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

Drywall Screw
Hilti AG



EPD HUB, HUB-1987

Published on 06.10.2024, last updated on 06.10.2024, valid until 06.10.2029.

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Hilti AG
Address	Feldkircherstrasse 100
Contact details	Sustainability@Hilti.com
Website	www.hilti.com

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR version 1.1, 5 Dec 2023
Sector	Construction product
Category of EPD	Third party verified EPD
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Elise Janssen, Hilti AG
EPD verification	Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal verification <input checked="" type="checkbox"/> External verification
EPD verifier	Imane Uald lamkaddam, as an authorized verifier acting for EPD Hub Limited

The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

Product name	Drywall Screw
Additional labels	See appendix
Product reference	84291
Place of production	Kaohsiung, Taiwan
Period for data	Calendar year 2023
Averaging in EPD	Multiple products
Variation in GWP-fossil for A1-A3	+0.83 %

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg of carbon steel screw
Declared unit mass	1 kg
GWP-fossil, A1-A3 (kgCO₂e)	3.64E+00
GWP-total, A1-A3 (kgCO₂e)	3.58E+00
Secondary material, inputs (%)	20.5
Secondary material, outputs (%)	85
Total energy use, A1-A3 (kWh)	12.2
Total water use, A1-A3 (m³e)	0.02

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

The Hilti Group supplies the worldwide construction and energy industries with technologically leading products, systems, software and services. With about 33,000 team members in over 120 countries the company stands for direct customer relationships, quality and innovation. Hilti generated annual sales of more than CHF 6.3 billion in 2022. The headquarters of the Hilti Group have been located in Schaan, Liechtenstein, since its founding in 1941. The company is privately owned by the Martin Hilti Family Trust, which ensures its long-term continuity. The Hilti Group's purpose is making construction better, based on a passionate and inclusive global team and a caring and performance-oriented culture.

PRODUCT DESCRIPTION

The HILTI Drywall Screw portfolio includes a variety of screws designed for various board fastening applications. The portfolio features both stitch tip screws and drill-tip screws. The corrosion protection options for the screws include black phosphate, galvanic zinc-plated, and electro-coated (CRC) carbon steel screws.

Typical applications for these drywall screws include fastening boards to wood or metal substructures.

The representative product is the Drywall screw 6x1-1/4" PBH S which is a drill-tip screw with black phosphate coating.

Further information can be found at www.hilti.com.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	100	Taiwan
Minerals		
Fossil materials		
Bio-based materials		

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0.017

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	kg
Mass per declared unit	1 kg
Functional unit	
Reference service life	

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

Product stage			Assembly stage		Use stage							End of life stage				Beyond the system boundaries		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D		
x	x	x	x	x	MND	MND	MND	MND	MND	MND	MND	x	x	x	x	x		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr./demol.	Transport	Waste processing	Disposal	Reuse	Recovery	Recycline

Modules not declared = MND. Modules not relevant = MNR

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission.

The phosphate steel screw is made from low-carbon steel. The referenced product is 6x1-1/4 PBH S drywall screw, which is a stitch point, fine thread screw with PH2 recess, used for connection of drywall boards to metal substructures. The steel is BOF

with a high scrap rate (40%). The coils are cut and cold formed to form the blank in its final size and shape. The part is the rolled to form the thread and the heat treated to get the desired properties. The steel screw is phosphate (or zinc coated) and finally packaged and distributed. The manufacturing process requires electricity and fuels for powering the production equipment. A wooden pallet and cardboard are used as packaging materials for transporting the screw to the dedicated marketplaces.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

The transportation is calculated based on the distance traveled by lorry/ship from the supplier to the warehouses in Hilti North America. Vehicle capacity utilization volume factor may vary but as role of transportation emissions in total results is small, the variety in load is assumed to be negligible. To be conservative, empty returns are included in this study as implemented through an average load factor in the Ecoinvent transport datapoints. Transportation does not cause losses as product is packaged properly.

Environmental impacts from installation into the building include generation of waste packaging materials (A5) and release of biogenic carbon dioxide from wood pallets/cardboard boxes. The impacts of material production, its processing and its disposal as installation waste are also assessed. Screws used in the installation process and electricity consumption for the assembly are considered, too. No installation losses happen in this stage if the installation process is carried out appropriately according to Hilti instructions.

PRODUCT USE AND MAINTENANCE (B1-B7)

The use phase is not relevant for the life cycle emissions of this product and is, therefore, not accounted into the assessment.

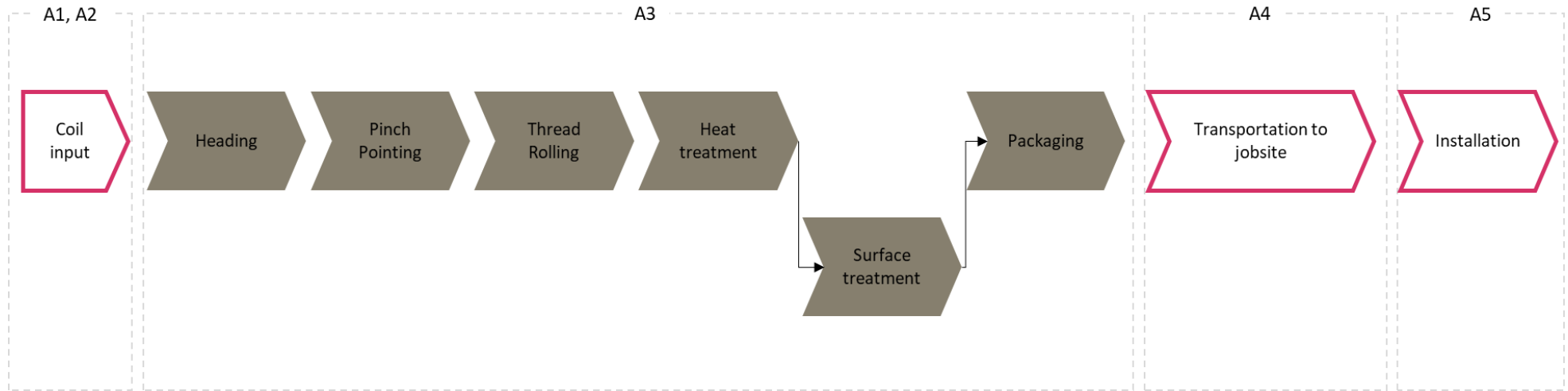
Air, soil, and water impacts during the use phase have not been studied.

PRODUCT END OF LIFE (C1-C4, D)

The product is considered to be dismantled by a power tool and with negligible energy use. It is assumed that the steel waste is collected separately and transported to the waste treatment facility. Transportation distance to waste treatment plant and to landfill is assumed to be 100 km, the transportation method is assumed to be lorry. Module C3 accounts for energy and resource inputs for sorting and treating of steel for recycling. Landfilled material is included in module C4. Due to the material recovery potential of the product and material and energy recovery potential of its packaging, recycled raw materials lead to avoided virgin material production and the energy recovered from incineration replaces electricity and heat from primary sources. Benefits and loads from incineration and recycling are included in Module D.

Recycling rate of 85% in the calculation is based on world average. Actual recyclability may vary between regions.

MANUFACTURING PROCESS



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. The study does not exclude any hazardous materials or substances. The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes, for which data is available for, are included in the calculation. There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

Data type	Allocation
Raw materials	No allocation
Packaging material	No allocation
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

AVERAGES AND VARIABILITY

Type of average	Multiple products
Averaging method	Representative product
Variation in GWP-fossil for A1-A3	+0.83 %

The averaging of products is calculated based on the various product coatings in the series. The declared unit 1 kg of phosphate screw is representative for a product consisting of a screw with total weight of 0.00157. The products included in the averaging are also drywall screws, but with Zn coating. They share the function of connecting drywall boards to metal substructures.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.8, Plastics Europe, Federal LCA Commons and One Click LCA databases as sources of environmental data.

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	2,25E+00	1,06E-02	1,32E+00	3,58E+00	1,22E-01	6,19E-02	MND	MND	MND	MND	MND	MND	MND	MNR	1,95E-01	1,86E-02	7,91E-04	-1,82E+00
GWP – fossil	kg CO ₂ e	2,25E+00	1,06E-02	1,38E+00	3,64E+00	1,22E-01	1,27E-03	MND	MND	MND	MND	MND	MND	MND	MNR	1,95E-01	1,86E-02	7,90E-04	-1,77E+00
GWP – biogenic	kg CO ₂ e	0,00E+00	0,00E+00	-6,06E-02	-6,06E-02	0,00E+00	6,06E-02	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	-5,15E-02
GWP – LULUC	kg CO ₂ e	1,42E-03	4,29E-06	2,69E-03	4,11E-03	8,91E-05	4,99E-07	MND	MND	MND	MND	MND	MND	MND	MNR	1,31E-04	2,44E-05	7,46E-07	-8,15E-04
Ozone depletion pot.	kg CFC-11e	1,05E-07	2,35E-09	7,14E-08	1,78E-07	2,42E-08	1,86E-10	MND	MND	MND	MND	MND	MND	MND	MNR	3,81E-08	2,30E-09	3,20E-10	-6,91E-08
Acidification potential	mol H ⁺ e	9,65E-03	4,40E-05	6,74E-03	1,64E-02	3,97E-03	8,90E-06	MND	MND	MND	MND	MND	MND	MND	MNR	1,08E-03	2,36E-04	7,43E-06	-7,10E-03
EP-freshwater ²⁾	kg Pe	9,46E-05	8,92E-08	6,70E-05	1,62E-04	4,35E-07	1,47E-08	MND	MND	MND	MND	MND	MND	MND	MNR	2,73E-06	9,98E-07	8,28E-09	-8,19E-05
EP-marine	kg Ne	1,93E-03	1,29E-05	1,14E-03	3,08E-03	9,76E-04	3,66E-06	MND	MND	MND	MND	MND	MND	MND	MNR	3,21E-04	4,99E-05	2,57E-06	-1,29E-03
EP-terrestrial	mol Ne	2,19E-02	1,42E-04	1,27E-02	3,47E-02	1,09E-02	3,92E-05	MND	MND	MND	MND	MND	MND	MND	MNR	3,58E-03	5,77E-04	2,83E-05	-1,51E-02
POCP (“smog”) ³⁾	kg NMVOCe	9,95E-03	4,34E-05	4,11E-03	1,41E-02	2,81E-03	1,02E-05	MND	MND	MND	MND	MND	MND	MND	MNR	1,16E-03	1,59E-04	8,23E-06	-7,36E-03
ADP-minerals & metals ⁴⁾	kg Sbe	3,29E-05	3,58E-08	7,30E-06	4,03E-05	1,69E-07	4,63E-09	MND	MND	MND	MND	MND	MND	MND	MNR	2,85E-06	2,51E-06	1,82E-09	-2,74E-05
ADP-fossil resources	MJ	2,21E+01	1,54E-01	1,81E+01	4,03E+01	1,53E+00	1,47E-02	MND	MND	MND	MND	MND	MND	MND	MNR	2,75E+00	2,52E-01	2,17E-02	-1,76E+01
Water use ⁵⁾	m ³ e depr.	6,40E-01	6,76E-04	3,73E-01	1,01E+00	4,55E-03	2,46E-03	MND	MND	MND	MND	MND	MND	MND	MNR	1,95E-02	4,89E-03	6,87E-05	-5,03E-01

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO4e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	1,80E-07	9,33E-10	5,29E-08	2,34E-07	3,80E-09	1,40E-10	MND	MND	MND	MND	MND	MND	MND	MNR	2,05E-08	3,09E-09	1,50E-10	-1,20E-07
Ionizing radiation ⁶⁾	kBq 11235e	7,01E-02	7,17E-04	1,88E-01	2,59E-01	7,05E-03	5,74E-05	MND	MND	MND	MND	MND	MND	MND	MNR	1,50E-02	2,81E-03	9,80E-05	-7,26E-02
Ecotoxicity (freshwater)	CTUe	7,25E+01	1,42E-01	2,65E+01	9,92E+01	9,70E-01	2,83E-02	MND	MND	MND	MND	MND	MND	MND	MNR	3,20E+00	1,14E+00	1,41E-02	-5,69E+01
Human toxicity, cancer	CTUh	1,38E-08	3,93E-12	5,13E-10	1,43E-08	7,32E-11	2,03E-12	MND	MND	MND	MND	MND	MND	MND	MNR	3,07E-10	3,50E-11	3,53E-13	-1,13E-08
Human tox. non-cancer	CTUh	5,34E-08	1,33E-10	1,75E-08	7,11E-08	6,21E-10	8,54E-11	MND	MND	MND	MND	MND	MND	MND	MNR	3,72E-09	1,56E-09	9,24E-12	-4,40E-08
SQP ⁷⁾	-	7,72E+00	1,13E-01	1,03E+01	1,82E+01	2,10E-01	8,46E-03	MND	MND	MND	MND	MND	MND	MND	MNR	1,31E+00	5,08E-01	4,63E-02	-6,08E+00

6) EN 15804+A2 disclaimer for Ionizing radiation, human health. 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; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy ⁸⁾	MJ	2,20E+00	1,80E-03	2,64E+00	4,84E+00	1,05E-02	2,68E-04	MND	MND	MND	MND	MND	MND	MND	MNR	6,73E-02	4,47E-02	1,88E-04	-1,88E+00
Renew. PER as material	MJ	0,00E+00	0,00E+00	5,32E-01	5,32E-01	0,00E+00	-5,32E-01	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	4,50E-01
Total use of renew. PER	MJ	2,20E+00	1,80E-03	3,17E+00	5,37E+00	1,05E-02	-5,32E-01	MND	MND	MND	MND	MND	MND	MND	MNR	6,73E-02	4,47E-02	1,88E-04	-1,43E+00
Non-re. PER as energy	MJ	2,20E+01	1,54E-01	1,69E+01	3,91E+01	1,53E+00	1,47E-02	MND	MND	MND	MND	MND	MND	MND	MNR	2,75E+00	2,52E-01	2,17E-02	-1,76E+01
Non-re. PER as material	MJ	0,00E+00	0,00E+00	3,34E-02	3,34E-02	0,00E+00	-3,34E-02	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	2,83E-02
Total use of non-re. PER	MJ	2,20E+01	1,54E-01	1,69E+01	3,91E+01	1,53E+00	-1,87E-02	MND	MND	MND	MND	MND	MND	MND	MNR	2,75E+00	2,52E-01	2,17E-02	-1,76E+01
Secondary materials	kg	2,05E-01	4,99E-05	5,65E-03	2,11E-01	7,01E-04	1,57E-05	MND	MND	MND	MND	MND	MND	MND	MNR	1,47E-03	2,81E-04	4,55E-06	-1,71E-01
Renew. secondary fuels	MJ	2,78E-04	6,35E-07	1,35E-02	1,38E-02	1,88E-06	7,26E-08	MND	MND	MND	MND	MND	MND	MND	MNR	1,40E-05	1,46E-05	1,19E-07	-1,77E-04
Non-ren. secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	1,38E-02	1,84E-05	1,03E-02	2,41E-02	9,77E-05	-6,23E-06	MND	MND	MND	MND	MND	MND	MND	MNR	4,96E-04	1,48E-04	2,37E-05	-1,10E-02

8) PER = Primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	9,51E-01	2,20E-04	1,38E-01	1,09E+00	2,09E-03	1,95E-05	MND	MND	MND	MND	MND	MND	MND	MNR	6,94E-03	1,71E-03	0,00E+00	-7,94E-01
Non-hazardous waste	kg	3,85E+00	3,53E-03	2,85E+00	6,71E+00	1,70E-02	3,63E-02	MND	MND	MND	MND	MND	MND	MND	MNR	1,23E-01	5,47E-02	1,50E-01	-3,39E+00
Radioactive waste	kg	3,66E-05	1,02E-06	6,01E-05	9,78E-05	1,08E-05	6,46E-08	MND	MND	MND	MND	MND	MND	MND	MNR	1,76E-05	1,48E-06	0,00E+00	-2,98E-05

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	0,00E+00	0,00E+00	1,28E-02	1,28E-02	0,00E+00	2,30E-03	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	8,50E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,05E-01	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	2,15E+00	1,05E-02	1,35E+00	3,51E+00	1,21E-01	1,28E-03	MND	MND	MND	MND	MND	MND	MND	MNR	1,92E-01	1,83E-02	7,74E-04	-1,69E+00
Ozone depletion Pot.	kg CFC ₁₁ e	1,09E-07	1,86E-09	5,99E-08	1,71E-07	1,92E-08	1,51E-10	MND	MND	MND	MND	MND	MND	MND	MNR	3,02E-08	1,86E-09	2,53E-10	-7,33E-08
Acidification	kg SO ₂ e	7,86E-03	3,43E-05	2,20E-02	2,99E-02	3,17E-03	6,48E-06	MND	MND	MND	MND	MND	MND	MND	MNR	8,40E-04	1,91E-04	5,61E-06	-5,81E-03
Eutrophication	kg PO ₄ ³ e	4,05E-03	7,86E-06	2,47E-03	6,53E-03	3,54E-04	5,83E-06	MND	MND	MND	MND	MND	MND	MND	MNR	2,17E-04	6,30E-05	1,21E-06	-3,32E-03
POCP (“smog”)	kg C ₂ H ₄ e	1,07E-03	1,39E-06	2,31E-04	1,31E-03	8,16E-05	2,64E-07	MND	MND	MND	MND	MND	MND	MND	MNR	7,12E-05	7,22E-06	2,35E-07	-8,60E-04
ADP-elements	kg Sbe	3,27E-05	3,49E-08	7,12E-06	3,99E-05	1,66E-07	4,39E-09	MND	MND	MND	MND	MND	MND	MND	MNR	2,83E-06	2,50E-06	1,79E-09	-2,73E-05
ADP-fossil	MJ	2,21E+01	1,54E-01	1,81E+01	4,03E+01	1,53E+00	1,47E-02	MND	MND	MND	MND	MND	MND	MND	MNR	2,75E+00	2,52E-01	2,17E-02	-1,76E+01

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? Read more online

This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of the data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

Imane Uald lamkaddam, as an authorized verifier acting for EPD Hub Limited

06.10.2024



APPENDIX

PRODUCT PORTFOLIO INCLUDED IN SCOPE

The following list of products are included in the scope of this declaration, as represented by Drywall screw 6x1-1/4" PBH S (item number 84291)

Item number	Item designation	Weight [kg]
10190	Sheet metal screw 8x1/2" SHWH	0.001499
10262	Drywall screw 8x1/2" PTH S LATH ZN	0.001791
10263	Drywall screw 8x3/4" PTH S LATH ZN	0.002234
10264	Drywall screw 8x1 PTH S LATH ZN	0.002613
10265	Drywall screw 8x1 1/4" PTH S LATH ZN	0.00163
84290	Drywall screw 6x1-1/4" PBH SD	0.00177
84291	Drywall screw 6x1-1/4" PBH S	0.00163
84293	Drywall screw 8x2-5/8" PBH SD	0.00477
84294	Drywall screw 6x1-1/4" PBH S CRS	0.00163
84295	Drywall screw 7x2-1/4" PBH S CRS	0.00307
84297	Drywall screw 6x1 PBH S	0.001338
84307	Drywall screw 6x1-5/8" PBH S CRS	0.002014
84310	Drywall screw 6x2 PBH S	0.00238
84311	Drywall screw 6x2-1/4" PBH S	0.00266
84316	Drywall screw 6x1-1/8" PBH S CRS	0.001471
84317	Drywall screw 8x3 PBH S CRS	0.00489
84319	Drywall screw 7x2-1/2" PBH S	0.00359
84320	Drywall screw 7x2 PBH S CRS	0.00272
84322	Drywall screw 7x2-1/2" PBH S CRS	0.00337
84323	Drywall screw 6x1-5/8" PBH S	0.002004
84325	Drywall screw 6x1 PBH S CRS	0.001338
84328	Drywall screw 8x3 PBH S	0.00489
84329	Drywall screw 6x1-1/8" PBH S	0.001471
84331	Wood screw 6x2 1/4" SFH S TRIM	0.00252
86198	Drywall screw 6x1 1/8" PBH S HI/LO	0.001611
86199	Drywall screw 6x1 1/4" PBH S HI/LO	0.00177

Item number	Item designation	Weight [kg]
86200	Drywall screw 6x1 5/8" PBH S HI/LO	0.00195
86201	Drywall screw 6x2 PBH S HI/LO	0.00252
86204	Drywall screw 8x3 PBH S HI/LO	0.00442
86205	Drywall screw 10x1-1/2" PBH S LAM	0.00195
86206	Drywall screw 7x7/16" PPH S FRMR	0.001093
86207	Drywall screw 6x7/16" PPH S	0.00111
86208	Drywall screw 8x1/2" PTH S	0.001791
86211	Drywall screw 6x1 PBH SD	0.001488
86212	Drywall screw 6x1 PBH SD ZN	0.00143
86213	Drywall screw 6x 1-1/8" PBH SD	0.001602
86214	Drywall screw 6x1 1/8" PBH SD ZN	0.001641
86215	Drywall screw 6x1 1/4" PBH SD ZN	0.00177
86216	Drywall screw 6x1-5/8" PBH SD	0.00195
86217	Drywall screw 6x1 5/8" PBH SD ZN	0.002212
86218	Drywall screw 6x1 7/8" PBH SD	0.00243
86219	Drywall screw 6x1 7/8" PBH SD ZN	0.00243
86220	Drywall screw 8x2 3/8" PBH SD	0.00391
86221	Drywall screw 8x2 3/8" PBH SD ZN	0.00391
86222	Drywall screw 8x2 5/8" PBH SD ZN	0.00477
86223	Drywall screw 8x3 PBH SD	0.00535
86224	Drywall screw 8x3 PBH SD ZN	0.00535
86225	Drywall screw 7x7/16" PPH SD FRMR	0.0012
86226	Drywall screw 7x7/16" PPH SD FRMR ZN	0.0012
86228	Drywall screw 8x1/2" PTH SD LATH ZN	0.001781
86231	Drywall screw 8x1 PTH SD LATH ZN	0.002643
86232	Drywall screw 8x1-1/4" PTH SD LATH ZN	0.003114
87145	Drywall screw 8x3/4" PTH SD LATH ZN	0.002221
228238	Drywall screw S-DS01Z 3,0x22	0.000995
228239	Drywall screw S-DS01Z 3,5x25	0.001415
228240	Drywall screw S-DS01Z 3,5x32	0.001695
273769	Drywall screw S-DS07Z 4,0x14	0.000785
273770	Drywall screw S-DD07Z 4,0x13	0.000725
286947	Drywall screw S-DS01Z 3,0x20	0.000905

Item number	Item designation	Weight [kg]
286948	Drywall screw S-DS01Z 3,0x20 PL03	0.000905
286949	Drywall screw S-DS01Z 3,5x22	0.001235
286950	Drywall screw S-DS14Z 3,0x20	0.000975
288574	Eyelag screw 1/4x2-3/4" EL S ZN	0.01269
385244	Drywall screw S-DS01B 3,5x25 K	0.00139
385245	Drywall screw S-DS01B 3,5x35 K	0.00186
385246	Drywall screw S-DS01B 3,5x45 K	0.0023
385247	Drywall screw S-DS01B 3,5x55 K	0.00282
385248	Drywall screw S-DS03B 3,9x35 K	0.00196
385249	Drywall screw S-DS03B 3,9x45 K	0.00242
385250	Drywall screw S-DS03B 4,3x55 K	0.00345
385251	Drywall screw S-DS03B 4,5x70 K	0.00475
385252	Drywall screw S-DD01B 3,5x25 K	0.00153
385253	Drywall screw S-DD01B 3,5x35 K	0.00203
385254	Drywall screw S-DD01B 3,5x45 K	0.00253
386638	Drywall screw S-DD03Z 4,2x13	0.00202
388245	Eyelag screw 1/4x2 EL SD ZN	0.00854
388247	Eyelag screw 1/4x3 EL SD ZN	0.01442
388249	Eyelag screw 1/4x3 EL WS ZN	0.01177
388251	Eyelag screw 1/4x4 EL WS ZN	0.01607
388457	Drywall screw S-DS05B 3,9x11	0.001173
411517	Drywall screw 6x1 1/4" PBH SD CRC	0.00177
413489	Drywall screw 6x1 7/8" PBH SD CRC	0.00243
2049942	Drywall screw S-DS01B 3,5x55 RA 1000	0.002747
2049943	Drywall screw S-DS01B 3,5x55 RA 250	0.00235
2049944	Drywall screw S-DS01B 4,2x70 RA 500	0.004993
2049945	Drywall screw S-DS01B 3,5x25 RA 1000	0.001444
2049946	Drywall screw S-DS01B 3,5x25 RA 250	0.00133
2049947	Drywall screw S-DS01B 3,5x35 RA 1000	0.001884
2049948	Drywall screw S-DS01B 3,5x35 RA 250	0.00172
2049949	Drywall screw S-DS01B 3,5x45 RA 1000	0.002367
2050020	Drywall screw S-DS01B 3,5x45 RA 250	0.00208

Item number	Item designation	Weight [kg]
2050021	Drywall screw S-DS01B 4,2x90 RA 500	0.006203
2050022	Drywall screw S-DS06B 4,2x13 RA 1000	0.001974
2050023	Drywall screw S-DD01B 3,5x25 RA 1000	0.001594
2050024	Drywall screw S-DD01B 3,5x35 RA 1000	0.002074
2050025	Drywall screw S-DD01B 3,5x45 RA 1000	0.002637
2080173	Drywall screw S-DS20B 3,8x25 RA 1000	0.001644
2080174	Drywall screw S-DS20B 3,8x35 RA 1000	0.002174
2080176	Drywall screw S-DS20B 3,8x45 RA 1000	0.002787
2080177	Drywall screw S-DS06Z 4,3x35 RA 1000	0.002957
2086136	Universal screw S-DS06B 4,3x35 K	0.00326
2086137	Universal screw S-DS06B 4,3x65 K	0.00637
2087498	Drywall screw S-DS20B 3,9x23 K	0.00145
2087499	Drywall screw S-DS20B 3,9x33 K	0.00204
2088010	Drywall screw S-DS20B 3,9x38 K	0.00231
2091047	Drywall screw S-DS03B 3,9x35 RA 1000	0.001974
2091048	Drywall screw S-DS03B 3,9x45 RA 1000	0.002557
2091049	Drywall screw S-DS03B 3,9x55 RA 500	0.003088
2094425	Drywall screw S-DS20B 3,8x25 RD	0.001588
2094426	Drywall screw S-DS20B 3,8x35 RD	0.002129
2094427	Drywall screw S-DS20B 3,8x45 RD	0.00269
2099730	Drywall screw S-DS08Z 4,8x35 K	0.003569
2099732	Drywall screw S-DS14B 3,5x30 K	0.001451
2099734	Drywall screw S-DD08B 3,5x9,5 K	0.000891
2099735	Drywall screw S-DD08B 3,5x16 K	0.001171
2105747	Drywall screw S-DS20EC 3,9x23 K	0.00343
2105749	Drywall screw S-DS20EC 3,9x38 K	0.00145
2109802	Drywall screw S-DD20B 3,9x55 K	0.00327
2109803	Drywall screw S-DD20B 3,9x38 K	0.00236
2110662	Drywall screw S-DS20B 3,9x55 K	0.00327
2113204	Drywall screw S-DS05 AC 3,9x11 K	0.001251
2114354	Drywall screw S-DD20EC 3,9x38 K	0.00164
2132247	Drywall screw 8x1-5/8" PTH SD LATH ZN	0.003866
2132248	Drywall screw 8x1-7/8" PTH SD LATH ZN	0.004244

Item number	Item designation	Weight [kg]
2134680	Drywall screw S-DD01GR 3,5x35 RD	0.002029
2136391	Drywall screw S-DD01EC 3,5x35 RS	0.001877
2136392	Drywall screw S-DD01EC 3,5x45 RS	0.002371
2141203	Drywall screw S-DS16B 3,5x30 RD	0.001596
2143704	Drywall screw S-DS20B 3 8x25 RD (10000)	0.00153
2143705	Drywall screw S-DS20B 3 8x35 RD (10000)	0.00206
2158946	Drywall screw S-DD01BT 3,5x23 K	0.00115
2160350	Drywall screw S-DS20EC 3,9x55 K	0.00297
2161487	Drywall screw S-DD21EC 3,5x23 RD	0.001451
2161488	Drywall screw S-DS21EC 3,5x35 RD	0.001877
2174012	Drywall screw S-DS20B 3,9x25 RS	0.001581
2174013	Drywall screw S-DS20B 3,9x35 RS	0.002129
2174014	Drywall screw S-DS20B 3,9x45 RS	0.00269
2201680	Drywall screw S-DS 20 SR 3,8 x 25 RD	0.00153
2201681	Drywall screw S-DS 20 SR 3,8 x 35 RD	0.00206
2201682	Drywall screw S-DS 20 GR 3,8 x 25 RD	0.00153
2201683	Drywall screw S-DS 20 GR 3,8 x 35 RD	0.00206
2201684	Drywall screw S-DS 20 GR 3,8 x 45 RD	0.00259
2217522	Drywall screw S-DS20B 3,9x23 K (250)	0.001532
2217523	Drywall screw S-DS20B 3,9x38 K (250)	0.002372
2264947	Drywall screw S-DS04B 5,5x38 RA (1000)	0.000002
2268361	Drywall screw S-DS 21 EC 3,9x70 RD	0.000003
2276739	Drywall screw 6x1 PBH S ZN	0.00129
2276921	Drywall screw 6x1-1/8 PBH S ZN	0.00142
2324413	Drywall screw S-DS04B 5,5x38 RD (5000)	0.00275
2324414	Drywall screw S-DS04B 5,5x38 RD	0.00275
2324415	Drywall screw S-DS05B 3,8x11 RD (10000)	0.0012
2324416	Drywall screw S-DS05B 3,8x11 RD	0.0012
2325576	Drywall screw S-DS01B 3,5x25 RD	0.001391
2325577	Drywall screw S-DS01B 3,5x35 RD	0.001831
2325578	Drywall screw S-DD01B 3,5x35 RD	0.002021
2325579	Drywall screw S-DS03B 3,8x35 RD	0.001921
2325720	Drywall screw S-DS03B 3,8x45 RD	0.002451

Item number	Item designation	Weight [kg]
2325721	Drywall screw S-DS06B 4,2x40 RD	0.00317
2327632	Drywall screw S-DS01B 3,5x25 RD (10000)	0.00138
2327633	Drywall screw S-DS01B 3,5x35 RD (7000)	0.001791
2327634	Drywall screw S-DD01B 3,5x35 RD (7000)	0.002031
2327635	Drywall screw S-DS03B 3,8x35 RD (7000)	0.001931
2327636	Drywall screw S-DS03B 3,8x45 RD (4500)	0.002451
2327637	Drywall screw S-DS03B 3,8x55 RD (3500)	0.002892
2327638	Drywall screw S-DS03B 3,8x55 RD	0.00295
2327643	Driver bit PH2 bits Bulk RD (2000)	0.00525
2328681	Drywall screw S-DS01B 3,5x45 RD	0.002367
2328682	Drywall screw S-DS01B 3,8x55 RD	0.002746
2328683	Drywall screw S-DD01B 3,5x25 RD	0.001594
2330865	Wood screw S-WS13B 3,5x40 RD	0.00191
2330866	Wood screw S-WS13B 3,5x30 RD	0.00145
2330867	Wood screw S-WS13B 3,5x30 RD (10000)	0.00143
2330870	Wood screw S-WS12B 3,9x19 RD (12000)	0.001362
2330871	Wood screw S-WS12B 3,9x19 RD	0.00129
2330872	Wood screw S-WS12B 3,9x22 RD	0.00144
2339103	Drywall screw S-DD08B 3,5x9,5 RD	0.00087
2339104	Drywall screw S-DD08Z 4,8x16 RD	0.002375
2344441	Drywall screw S-DS20B 3,9x23 M K	0.00155
2344442	Drywall screw S-DS20B 3,9x33 M K	0.00212
2344443	Drywall screw S-DS20B 3,9x38 M K	0.00239
2357300	Drywall screw S-DS06B 4,3x65 RD	0.0024