



# ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

HTR-M Insulation Fastener Portfolio

Hilti AG



**EPD HUB, HUB-3081**

Published on 24.03.2025, last updated on 18.08.2025, valid until 24.03.2030

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.1 (5 Dec 2023) and JRC characterization factors EF 3.1.

## GENERAL INFORMATION

### MANUFACTURER

Manufacturer	Hilti AG
Address	Schaan, 9494 Liechtenstein
Contact details	sustainability@hilti.com
Website	www.hilti.group

### 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
Parent EPD number	-
Scope of the EPD	Cradle to gate with modules C1-C4, D
EPD author	Catarina Carvalho, 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 for EPD Hub

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 VP-007	HTR-M Insulation fastener
Additional labels	See appendix
Product reference	2187720 HTR-M 8x200
Place of production	Germany (Strass)
Period for data	2023
Averaging in EPD	No averaging
Variation in GWP-fossil for A1-A3	-

### ENVIRONMENTAL DATA SUMMARY

<b>Declared unit</b>	1 kg
<b>Declared unit mass</b>	1 kg
<b>GWP-fossil, A1-A3 (kgCO<sub>2</sub>e)</b>	4,49E+00
<b>GWP-total, A1-A3 (kgCO<sub>2</sub>e)</b>	4,31E+00
<b>Secondary material, inputs (%)</b>	5,53
<b>Secondary material, outputs (%)</b>	64,4
<b>Total energy use, A1-A3 (kWh)</b>	20,2
<b>Net freshwater use, A1-A3 (m<sup>3</sup>)</b>	0,08

## 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

Hilti HTR-M are insulation fasteners made of polymers with a composite metal-plastic screw tip, used for fixing all common insulation types and ETICS composite facades to concrete or masonry. The fastener's composite design virtually eliminates the thermal bridging which can cause heat loss during building operation. Production and packing take place in Germany using raw materials sourced regionally and mainly from neighboring countries.

Further information can be found at [www.hilti.group](http://www.hilti.group).

### PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	23.34%	China
Minerals	-	-
Fossil materials	76.66%	World
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	0,045454091

### FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit VP	1 kg
Mass per declared unit VP-012	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	MND	MND	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	Deconstruction/ demolition	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

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 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 manufacturing process requires electricity for powering the production equipment, for which green electricity certs are available. A cardboard box is used as packaging for transporting the fastener to the points of sale.

## 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.

Road transport is the main mode during manufacturing, with distances accounted before between intermediate steps (component production) and the place of final assembly. The only exception is the metal tip, which is transported by ship from China. A sales-weighted average transport distance scenario is used to calculate A4 transport emissions.

## PRODUCT USE AND MAINTENANCE (B1-B7)

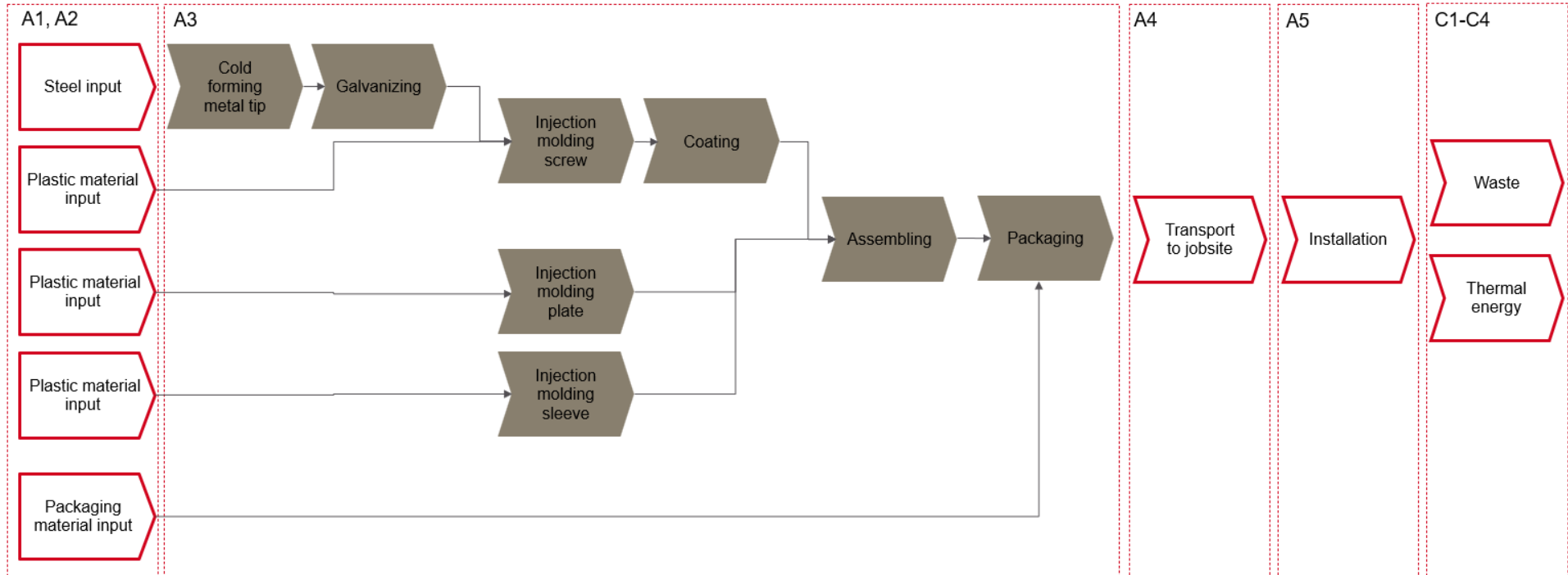
Emissions due to installation are excluded as they are considered negligible: a manual hand tool or a handheld cordless power tool is operated for approximately 10 seconds to complete the installation. The product is embedded within the building structure and therefore undergoes no routine maintenance.

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

## PRODUCT END OF LIFE (C1-C4, D)

Polymers, which account for most of the product mass, are assumed to be disposed of via incineration (75%) and landfill (25%) in a conservative, global average scenario. In a commensurate global average scenario, it is assumed that 85% of the steel within the product is recycled with the remaining 15% dispatched to landfill. Actual recyclability may vary by region.

# 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	Not applicable
Manufacturing energy and waste	No allocation

### AVERAGES AND VARIABILITY

Type of average	No averaging
Averaging method	Not applicable
Variation in GWP-fossil for A1-A3	- %

This EPD is product and factory specific and does not contain average calculations.

### 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 v3.10.1 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1 environmental data sources follow the methodology 'allocation, Cut-off, EN 15804+A2'.

# ENVIRONMENTAL IMPACT DATA

## CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total <sup>1)</sup>	kg CO <sub>2</sub> e	4,25E+00	1,04E-01	-5,29E-02	4,31E+00	6,30E-02	1,90E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,25E-02	8,76E-01	4,46E-01	-1,52E+00
GWP – fossil	kg CO <sub>2</sub> e	4,25E+00	1,04E-01	1,29E-01	4,49E+00	6,30E-02	2,73E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,25E-02	8,76E-01	4,46E-01	-1,37E+00
GWP – biogenic	kg CO <sub>2</sub> e	0,00E+00	0,00E+00	-1,88E-01	-1,88E-01	0,00E+00	1,88E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,50E-01
GWP – LULUC	kg CO <sub>2</sub> e	1,39E-03	5,03E-05	5,24E-03	6,68E-03	2,82E-05	2,87E-06	MND	MND	MND	MND	MND	MND	MND	0,00E+00	9,98E-06	2,46E-05	3,30E-06	-4,92E-04
Ozone depletion pot.	kg CFC-11e	6,30E-08	1,53E-09	3,39E-09	6,79E-08	9,30E-10	1,60E-10	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,19E-10	2,87E-10	1,46E-10	-1,43E-08
Acidification potential	mol H <sup>+</sup> e	1,64E-02	1,35E-03	6,31E-04	1,83E-02	2,15E-04	1,74E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	7,53E-05	2,32E-04	8,43E-05	-8,14E-03
EP-freshwater <sup>2)</sup>	kg Pe	5,96E-04	6,35E-06	7,34E-05	6,76E-04	4,90E-06	8,67E-08	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,75E-06	6,73E-06	1,05E-06	-3,73E-04
EP-marine	kg Ne	4,64E-03	3,54E-04	3,05E-04	5,30E-03	7,05E-05	4,71E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,45E-05	1,14E-04	2,69E-04	-1,10E-03
EP-terrestrial	mol Ne	2,94E-02	3,91E-03	2,03E-03	3,53E-02	7,68E-04	4,04E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,67E-04	9,46E-04	4,07E-04	-1,33E-02
POCP (“smog”) <sup>3)</sup>	kg NMVOCe	1,40E-02	1,17E-03	5,28E-04	1,57E-02	3,16E-04	2,68E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,06E-04	2,50E-04	1,11E-04	-4,87E-03
ADP-minerals & metals <sup>4)</sup>	kg Sbe	2,02E-05	2,22E-07	9,60E-07	2,14E-05	1,76E-07	3,71E-08	MND	MND	MND	MND	MND	MND	MND	0,00E+00	7,11E-08	4,25E-07	2,23E-08	-5,68E-06
ADP-fossil resources	MJ	8,04E+01	1,43E+00	1,86E+00	8,37E+01	9,14E-01	2,66E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,18E-01	2,35E-01	1,02E-01	-1,88E+01
Water use <sup>5)</sup>	m <sup>3</sup> e depr.	3,13E+00	6,05E-03	7,91E-02	3,22E+00	4,51E-03	5,18E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,50E-03	3,57E-02	1,67E-02	-1,40E-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 PO<sub>4</sub>e; 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

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	2,23E-07	7,76E-09	6,43E-09	2,37E-07	6,30E-09	9,40E-10	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,90E-09	2,80E-09	6,74E-10	-1,34E-07
Ionizing radiation <sup>6)</sup>	kBq U235e	1,94E-01	1,05E-03	1,35E-02	2,09E-01	7,96E-04	1,72E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,62E-04	5,77E-04	1,27E-04	-4,26E-02
Ecotoxicity (freshwater)	CTUe	7,18E+00	1,70E-01	1,18E+00	8,53E+00	1,29E-01	5,90E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,89E-02	7,80E-01	7,18E-01	-2,92E+00
Human toxicity, cancer	CTUh	1,03E-09	1,90E-11	5,60E-11	1,10E-09	1,04E-11	9,84E-12	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,79E-12	6,39E-11	2,23E-11	-1,47E-10
Human tox. non-cancer	CTUh	1,73E-08	7,36E-10	1,41E-09	1,94E-08	5,92E-10	1,69E-10	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,01E-10	2,12E-09	1,13E-09	5,16E-09
SQP <sup>7)</sup>	-	7,22E+00	1,00E+00	5,36E+00	1,36E+01	9,20E-01	2,80E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,23E-01	2,68E-01	1,20E-01	-1,30E+01

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 <sup>8)</sup>	MJ	2,93E+00	1,67E-02	2,66E+00	5,61E+00	1,25E-02	2,27E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,36E-03	1,99E-02	2,54E-03	-2,99E+00
Renew. PER as material	MJ	0,00E+00	0,00E+00	1,60E+00	1,60E+00	0,00E+00	-1,60E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,27E+00
Total use of renew. PER	MJ	2,93E+00	1,67E-02	4,27E+00	7,22E+00	1,25E-02	-1,60E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,36E-03	1,99E-02	2,54E-03	-1,72E+00
Non-re. PER as energy	MJ	6,36E+01	1,43E+00	1,90E+00	6,70E+01	9,14E-01	2,66E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,18E-01	-1,72E+01	-1,21E+01	-1,87E+01
Non-re. PER as material	MJ	1,67E+01	0,00E+00	5,24E-03	1,67E+01	0,00E+00	-5,24E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	-8,36E+00	-8,36E+00	3,23E+00
Total use of non-re. PER	MJ	8,04E+01	1,43E+00	1,90E+00	8,37E+01	9,14E-01	2,13E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,18E-01	-2,55E+01	-2,04E+01	-1,55E+01
Secondary materials	kg	5,53E-02	6,32E-04	1,25E-01	1,81E-01	3,89E-04	5,43E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,41E-04	5,87E-04	8,70E-05	2,80E-01
Renew. secondary fuels	MJ	4,87E-03	5,68E-06	1,16E-02	1,65E-02	4,94E-06	3,08E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,79E-06	8,55E-06	1,34E-06	-1,16E-03
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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m <sup>3</sup>	7,43E-02	1,74E-04	1,89E-03	7,64E-02	1,35E-04	1,91E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,34E-05	4,89E-04	-3,78E-04	-1,04E-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	3,04E-01	2,25E-03	1,23E-02	3,19E-01	1,55E-03	2,45E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,50E-04	1,12E-02	4,91E-03	-1,95E-01
Non-hazardous waste	kg	1,14E+01	3,85E-02	2,25E-01	1,16E+01	2,87E-02	2,92E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,03E-02	3,88E-01	9,79E-01	2,13E-01
Radioactive waste	kg	4,95E-05	2,56E-07	3,44E-06	5,32E-05	1,95E-07	4,09E-08	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,43E-08	1,44E-07	3,18E-08	-1,03E-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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	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	0,00E+00	0,00E+00	3,19E-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	0,00E+00	0,00E+00	3,25E-01	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,17E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy – Electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,80E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	9,90E-01	0,00E+00	0,00E+00
Exported energy – Heat	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,90E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	5,58E+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 <sub>2</sub> e	4,22E+00	1,04E-01	1,37E-01	4,46E+00	6,26E-02	4,42E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,24E-02	8,78E-01	4,45E-01	-1,35E+00
Ozone depletion Pot.	kg CFC <sub>-11</sub> e	5,26E-08	1,22E-09	2,78E-09	5,65E-08	7,42E-10	1,33E-10	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,54E-10	2,46E-10	1,23E-10	-1,26E-08
Acidification	kg SO <sub>2</sub> e	1,37E-02	1,07E-03	4,60E-04	1,52E-02	1,64E-04	1,40E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,77E-05	1,72E-04	5,99E-05	-6,81E-03
Eutrophication	kg PO <sub>4</sub> <sup>3</sup> e	4,61E-03	1,41E-04	2,45E-04	5,00E-03	4,00E-05	9,84E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,40E-05	4,87E-05	3,03E-05	-6,31E-03
POCP (“smog”)	kg C <sub>2</sub> H <sub>4</sub> e	1,16E-03	5,99E-05	4,15E-05	1,26E-03	1,46E-05	1,04E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,16E-06	1,34E-05	6,27E-06	-5,59E-04
ADP-elements	kg Sbe	1,57E-05	2,17E-07	9,59E-07	1,68E-05	1,71E-07	3,68E-08	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,93E-08	4,14E-07	1,74E-08	-5,63E-06
ADP-fossil	MJ	7,34E+01	1,41E+00	1,62E+00	7,65E+01	9,01E-01	2,66E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,14E-01	2,26E-01	9,98E-02	-1,81E+01

### ENVIRONMENTAL IMPACTS – GWP-GHG

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG <sup>9)</sup>	kg CO <sub>2</sub> e	4,25E+00	1,04E-01	1,35E-01	4,49E+00	6,30E-02	2,73E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,25E-02	8,76E-01	4,46E-01	-1,37E+00

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product as defined by IPCC AR 5 (IPCC 2013). In addition, the characterization factors for the flows - CH<sub>4</sub> fossil, CH<sub>4</sub> biogenic and Dinitrogen monoxide - were updated in line with the guidance of IES PCR 1.2.5 Annex 1. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterization factor for biogenic CO<sub>2</sub> is set to zero.

## 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 for EPD Hub Limited  
24.03.2025



## APPENDIX

### PRODUCT PORTFOLIO INCLUDED IN SCOPE

The following products are included in the scope of this declaration, as represented by HTR-M 8x200 (item number 2187720).

Item number	Item designation	Weight [kg]
2448047	Insulation fastener HTR-M 8x60	0,013
2448112	Insulation fastener HTR-M 8x80	0,014
2187415	Insulation fastener HTR-M 8x100	0,018
2187416	Insulation fastener HTR-M 8x120	0,019
2187417	Insulation fastener HTR-M 8x140	0,021
2187418	Insulation fastener HTR-M 8x160	0,022
2187419	Insulation fastener HTR-M 8x180	0,023
<b>2187720</b>	<b>Insulation fastener HTR-M 8x200</b>	0,024
2187721	Insulation fastener HTR-M 8x220	0,025
2187722	Insulation fastener HTR-M 8x240	0,026
2187723	Insulation fastener HTR-M 8x260	0,027
2187724	Insulation fastener HTR-M 8x280	0,028
2187725	Insulation fastener HTR-M 8x300	0,029
2448106	Insulation fastener HTR-M 8x320	0,035
2448107	Insulation fastener HTR-M 8x340	0,036
2448113	Insulation fastener HTR-M 8x360	0,037
2448095	Insulation fastener HTR-M 8x380	0,038
2448114	Insulation fastener HTR-M 8x400	0,039