



### Capritherm+ (Airtight Drywall Box)

<b>Representative product</b>	Capritherm+ Single HT40 par 50 [CAP723040] Product Category: Unequipped enclosures and cabinets
<b>Description of the product</b>	Capritherm+ is a flush mounting dry wall box which is installed in walls and serves to mount the household or similar electrical equipment and protects people against direct contact with live part. It is entirely designed and manufactured in France and complies with RT 2012 and RE 2020 thermal regulations.
<b>Homogeneous Environmental Families Covered</b>	The PEP concerns following product offerings covered under Capritherm+ as mentioned below: CAP723040, CAP723043, CAP723049, CAP723050, CAP723200, CAP723300
<b>Functional unit</b>	To allow mounting of household or similar electrical equipment while protecting persons against direct contact with live electrical parts and provide a degree of protection against the penetration of solid objects and liquids (IP40) for 20 years. Product shall also protect devices enclosed inside it and shall confirm to EN 60670-1 standard.
<b>Company information</b>	Eaton Cooper Capri SAS 36, rue des Fontenils 41600, Nouan-le-Fuzelier, France Email: <a href="mailto:productstewardship-es@eaton.com">productstewardship-es@eaton.com</a>

Constituent Materials			
Reference product mass	2.40E-02 kg (With packaging)		
Category PEP Material	Materials	Mass (kg)	Percentage (%)
Plastic	Polypropylene	1.18E-02	49.14%
Metal	Steel	5.00E-03	20.82%
Plastic	Polystyrene	3.89E-03	16.20%
Others	Corugated Cardboard	2.20E-03	9.16%
Plastic	PA 66	1.12E-03	4.66%
Others	Paper	1.67E-06	0.01%
Others	Glue	2.05E-07	<0.01%
Metal	Silicon	1.28E-07	<0.01%
Total		<b>2.40E-02</b>	<b>100%</b>

## Substance Assessment

The representative product is compliant with the EU-RoHS Directive (2011/65/EU) without any exemption and the product doesn't contain any substance listed as Substance-of-Very-High-Concern (SVHC) on the Candidate List of the EU-REACH Regulation (1907/2006/EC).

## Additional Environmental Information

<b>Manufacturing</b>	The reference product is assembled at an Eaton plant holding management system certifications according to ISO 14001 standards.
<b>Distribution</b>	Eaton is committed to minimizing weight and volume of product and packaging with focus to optimize transport efficiency.
<b>Installation</b>	The installation process requires 2.5-Watt power and 5 second to install one screw and no waste other than the obsolete product packaging is generated during this step.
<b>Use</b>	The product does not require energy consumption and maintenance during operation.
<b>End of life</b>	The recyclability rate of the product is 82.9% The rate is calculated based on the method of the IEC /TR 62635.

## Environmental Impacts

The calculation of the environmental impacts is the result of the Product's Life Cycle Analysis in accordance with ISO 14040/44, covering the entire lifecycle, i.e. "Cradle-to-Grave" including the following life cycle phases: production, distribution, installation, use and end of life.

System modelling was carried out using the commercial LCA software EIME v5.9.4 with database version CODDE-2022-01.

<b>Manufacturing Phase</b>	The product is assembled as well as packed at Eaton facility Eaton Neuan-Le-Fuzelier, France plant. Energy model used: France
<b>Distribution Phase</b>	Distribution of the product in its packaging from the Eaton's last logistics platform to the installation place in France is considered as per PCR rules.
<b>Installation Phase</b>	Product is installed in France. Installation of product and treatment of packaging waste are considered in this phase. Energy consumption for reference product with 4 screws is 1.4E-05 kWh. Energy model used for treatment of packaging: France
<b>Use Phase</b>	Reference lifetime: 20 Years (as per PSR) Usage profile: No energy consumption by the product during its useful life. Also, product do not require any maintenance/replacement during useful life.
<b>End of life Phase</b>	Product disposed with WEEE guidelines. Energy model used: Europe

## Environmental Impact Indicators: Mandatory

Impact Indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Global warming (GWP100)	kg CO <sub>2</sub> eq.	7.15E-02	6.73E-02	1.62E-03	2.76E-04	0.00	2.32E-03
Ozone layer depletion	kg CFC-11 eq.	5.65E-09	5.51E-09	3.28E-12	5.70E-13	0.00	1.34E-10
Acidification potential	kg SO <sub>2</sub> eq.	2.09E-04	1.95E-04	7.28E-06	1.30E-06	0.00	4.90E-06
Eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq.	4.14E-05	3.81E-05	1.67E-06	3.02E-07	0.00	1.30E-06
Photochemical oxidation	kg ethylene eq.	2.50E-05	2.38E-05	5.17E-07	9.39E-08	0.00	5.80E-07
Abiotic depletion (elements)	kg antimony eq.	9.30E-09	9.17E-09	6.48E-11	1.19E-11	0.00	5.01E-11
Abiotic depletion (fossil fuels)	MJ	1.45E+00	1.41E+00	2.28E-02	3.88E-03	0.00	2.02E-02
Water Pollution	m <sup>3</sup>	9.28E+00	8.77E+00	2.66E-01	4.53E-02	0.00	1.95E-01
Air pollution	m <sup>3</sup>	4.23E+00	3.94E+00	6.64E-02	1.28E-02	0.00	2.15E-01

## Environmental Impact Indicators: Optional

Impact Indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of life
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	3.92E-02	3.92E-02	3.05E-05	2.17E-05	0.00E+00	2.85E-05
Use of renewable primary energy resources used as raw materials	MJ	5.94E-03	5.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	4.52E-02	4.51E-02	3.05E-05	2.17E-05	0.00E+00	2.85E-05
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	1.39E+00	1.34E+00	2.29E-02	4.06E-03	0.00E+00	2.64E-02
Use of non-renewable primary energy resources used as raw materials	MJ	7.10E-01	7.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	2.11E+00	2.05E+00	2.29E-02	4.06E-03	0.00E+00	2.64E-02
Use of secondary materials	kg	4.37E-03	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	m <sup>3</sup>	9.40E-02	9.40E-02	1.45E-07	6.24E-08	0.00E+00	2.69E-06
Hazardous waste disposed of	kg	2.58E-02	1.10E-04	0.00E+00	1.38E-08	0.00E+00	2.57E-02
Non-hazardous waste disposed of	kg	6.45E-02	6.43E-02	5.76E-05	9.87E-06	0.00E+00	8.45E-05
Radioactive waste disposed of	kg	1.10E-04	1.10E-04	4.10E-08	7.00E-09	0.00E+00	1.42E-07
Materials for recycling	kg	2.24E-02	2.20E-03	0.00E+00	2.10E-03	0.00E+00	1.81E-02
Materials for energy recovery	kg	1.23E-04	2.28E-05	0.00E+00	1.00E-04	0.00E+00	0.00E+00
Total use of primary energy during the life cycle	MJ	2.15E+00	2.10E+00	2.29E-02	4.09E-03	0.00E+00	2.65E-02


To evaluate the environmental impact of other product covered by this PEP, multiply the impact figures by-

**Factors for Manufacturing, Distribution, Installation, Use and End-of-Life Phase:**

Product	Phases	Global warming (Kg CO <sub>2</sub> eq.)	Ozone depletion (kg CFC-11 eq.)	Acidification of soil and water (kg SO <sub>2</sub> eq.)	Eutrophication (kg PO <sub>4</sub> <sup>3-</sup> eq.)	Photochemical Ozone formation (kg ethylene eq.)	Depletion of abiotic resources-elements (kg Sb eq.)	Depletion of abiotic resources - fossil fuels (MJ)	Water pollution (m <sup>3</sup> )	Air pollution (m <sup>3</sup> )
CAP723040 (Reference product)	All phases	1.00								
CAP723043	Manufacturing	1.11	1.13	1.11	1.10	1.08	115.15	1.04	1.07	1.43
	Distribution	1.11								
	Installation	1.94	1.92	1.94	1.94	1.94	1.88	1.94	1.94	1.94
	Use	1.00								
	End of Life	1.17	1.03	1.04	1.09	1.03	1.03	1.03	1.07	1.03
CAP723049	Manufacturing	1.01	1.01	1.01	1.13	1.01	1.01	1.01	1.01	1.00
	Distribution	1.01								
	Installation	0.96								
	Use	1.00								
	End of Life	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
CAP723050	Manufacturing	1.41	1.30	1.40	1.27	1.36	1.23	1.31	1.28	1.55
	Distribution	1.43								
	Installation	2.18	2.16	2.18	2.18	2.18	2.09	2.18	2.18	2.17
	Use	1.00								
	End of Life	1.46	1.35	1.36	1.40	1.35	1.35	1.35	1.39	1.35
CAP723200	Manufacturing	2.12	2.31	2.13	2.22	2.18	1.91	2.34	2.22	2.12
	Distribution	2.23								
	Installation	2.00								
	Use	1.00								
	End of Life	2.19	2.25	2.25	2.23	2.26	2.26	2.26	2.24	2.25
CAP723300	Manufacturing	3.19	3.38	3.20	3.32	3.22	2.86	3.37	3.29	3.21
	Distribution	3.62								
	Installation	4.36	4.33	4.36	4.36	4.36	4.26	4.36	4.36	4.35
	Use	1.00								
	End of Life	3.35	3.26	3.26	3.29	3.26	3.26	3.26	3.28	3.26

## Disclaimer

This Product Environmental Profile and its content is based on information available to us. It refers to the product at the date of issue. We make no express or implied representations or warranties with respect to the information contained herein.

<i>Registration N°</i>	EATO-00059-V01.01-EN	<i>Drafting rules</i>	PCR-ed3-EN-2015 04 02
<i>Verifier accreditation N°</i>	VH47	<i>Supplemented by</i>	PSR-0005-ed2-EN-2016 03 29
<i>Date of issue</i>	12-2022	<i>Information and reference documents</i>	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>
		<i>Validity period</i>	5 years
Independent verification of the declaration and data, in compliance with ISO 14025: 2010			
<i>Internal</i>	X	<i>External</i>	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)			
<i>The elements of the present PEP cannot be compared with elements from another program.</i>			
<i>Document in compliance with ISO 14025: 2010 « Environmental labels and declarations. Type III environmental declarations »</i>			