



Eaton XV-102 Touch panel

Representative product	Y7-401351 Product category : Other equipments - Active product																						
Description of the product	HMI/PLC devices are available in 3.5", 5.7", and 7" screen sizes with resistive touch screens. These devices are projectable with Eaton Galileo HMI Software, with the runtime license included in the product. They come with a variant that includes PLC functionality, programmable with Eaton XSoft-CODESYS-3. Each device is equipped with an Ethernet interface, USB-Host, and SD card interface, with optional variants offering CAN-Bus, RS485, and RS232 interfaces. These devices are designed to replace legacy XV-102 WinCE devices, except for the Smartwire-DT and Profibus variants. Serving as a lifecycle extension of the high-volume XV-102 WinCE device series, these HMI-PLC devices in 3.5", 5.7", and 7" display sizes are projectable with both Galileo and XSoft-CODESYS-3 Software.																						
Homogeneous Environmental Families Covered	<p>The PEP concerns product offerings from Eaton XV-102 Touch panel series as mentioned below:</p> <table border="1" data-bbox="523 1451 1417 1841"> <thead> <tr> <th>Product Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Y7-401351</td> <td>XV-102-L6-70TWRC-10 7",Res,USB,RS232+485,CAN, Linux,PLC</td> </tr> <tr> <td>Y7-401350</td> <td>XV-102-L4-70TWR-10 7",Res,USB,RS232+485, Linux</td> </tr> <tr> <td>Y7-401349</td> <td>XV-102-L6-57TVRC-10 5.7",Res,USB,RS232+485,CAN, Linux,PLC</td> </tr> <tr> <td>Y7-401348</td> <td>XV-102-L6-57TVR-10 5.7",Res,USB,RS232+485,CAN, Linux</td> </tr> <tr> <td>Y7-401347</td> <td>XV-102-L4-57TVR-10 5.7",Res,USB,RS232+485, Linux</td> </tr> <tr> <td>Y7-401346</td> <td>XV-102-L6-35TQRC-10 3.5",Res,USB,RS485,CAN, Linux, PLC</td> </tr> <tr> <td>Y7-401345</td> <td>XV-102-L5-35TQRC-10 3.5",Res,USB,RS232,CAN, Linux, PLC</td> </tr> <tr> <td>Y7-401344</td> <td>XV-102-L5-35TQR-10 3.5",Res,USB,RS232,CAN, Linux</td> </tr> <tr> <td>Y7-401343</td> <td>XV-102-L4-35TQR-10 3.5",Res,USB,RS485, Linux</td> </tr> <tr> <td>Y7-401342</td> <td>XV-102-L3-35TQR-10 3.5",Res,USB,RS232, Linux</td> </tr> </tbody> </table>	Product Number	Description	Y7-401351	XV-102-L6-70TWRC-10 7",Res,USB,RS232+485,CAN, Linux,PLC	Y7-401350	XV-102-L4-70TWR-10 7",Res,USB,RS232+485, Linux	Y7-401349	XV-102-L6-57TVRC-10 5.7",Res,USB,RS232+485,CAN, Linux,PLC	Y7-401348	XV-102-L6-57TVR-10 5.7",Res,USB,RS232+485,CAN, Linux	Y7-401347	XV-102-L4-57TVR-10 5.7",Res,USB,RS232+485, Linux	Y7-401346	XV-102-L6-35TQRC-10 3.5",Res,USB,RS485,CAN, Linux, PLC	Y7-401345	XV-102-L5-35TQRC-10 3.5",Res,USB,RS232,CAN, Linux, PLC	Y7-401344	XV-102-L5-35TQR-10 3.5",Res,USB,RS232,CAN, Linux	Y7-401343	XV-102-L4-35TQR-10 3.5",Res,USB,RS485, Linux	Y7-401342	XV-102-L3-35TQR-10 3.5",Res,USB,RS232, Linux
Product Number	Description																						
Y7-401351	XV-102-L6-70TWRC-10 7",Res,USB,RS232+485,CAN, Linux,PLC																						
Y7-401350	XV-102-L4-70TWR-10 7",Res,USB,RS232+485, Linux																						
Y7-401349	XV-102-L6-57TVRC-10 5.7",Res,USB,RS232+485,CAN, Linux,PLC																						
Y7-401348	XV-102-L6-57TVR-10 5.7",Res,USB,RS232+485,CAN, Linux																						
Y7-401347	XV-102-L4-57TVR-10 5.7",Res,USB,RS232+485, Linux																						
Y7-401346	XV-102-L6-35TQRC-10 3.5",Res,USB,RS485,CAN, Linux, PLC																						
Y7-401345	XV-102-L5-35TQRC-10 3.5",Res,USB,RS232,CAN, Linux, PLC																						
Y7-401344	XV-102-L5-35TQR-10 3.5",Res,USB,RS232,CAN, Linux																						
Y7-401343	XV-102-L4-35TQR-10 3.5",Res,USB,RS485, Linux																						
Y7-401342	XV-102-L3-35TQR-10 3.5",Res,USB,RS232, Linux																						
Functional unit	To provide user input and visual feedback for machine control through a touchscreen panel with a display size of 7 inches, over an operational life time of 10 years in industrial HMI-PLC applications.																						
Company information	Eaton Automation GmbH Spinnereistrasse 8-14 9008 St. Gallen Switzerland Email: productstewardship-es@eaton.com																						

Constituent materials			
Reference product mass		9.97E-01 kg (With Packaging)	
Category PEP Material	Material constituent	Mass (kg)	% Contribution
Other	Display panel	2.36E-01	23.7%
Plastics	Polycarbonate (PC)	1.90E-01	19.0%
Other	Cardboard	1.53E-01	15.4%
Other	Wood	1.43E-01	14.3%
Other	Glass fiber	1.02E-01	10.2%
Plastics	Epoxy resin	3.28E-02	3.3%
Metals	Copper	1.94E-02	2.0%
Metals	Steel	1.70E-02	1.7%
Metals	Brass	1.48E-02	1.5%
Metals	Stainless steel	1.38E-02	1.4%
Plastics	Polyethylene low density (LDPE)	1.33E-02	1.3%
Plastics	Polyethylene terephthalate (PET)	1.21E-02	1.2%
Plastics	Polyamide 66 (PA 66)	1.08E-02	1.1%
Other	Paper	9.45E-03	0.9%
Plastics	Polyester resin	9.06E-03	0.9%
Other	Miscellaneous	2.01E-02	2.0%
Total		9.97E-01	100.0%

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	
Manufacturing	The reference product is manufactured at the direct source supplier plant in Czech Republic.
Distribution	Eaton is committed to minimizing weight and volume of product and its associated packaging material with focus to optimize transport efficiency.
Installation	During installation of the product only standard tools are needed, which do not require any additional energy source and no waste other than the obsolete product packaging is generated during this step.
Use	Product consumes energy during useful life which is considered to be 10 years (as per actual designed life). During the reference service life of product, product doesn't require any maintenance.
End of life	Recyclability of product is equal to 21.19% based on the method described in IEC/TR 62635, Edition 1.0/2012-10 "Guidelines for end-of-life information provided by manufacturers and recyclers and for recyclability rate calculation of electrical and electronic equipment".

Environmental Impacts	
<p>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.</p> <p>System modelling was carried out using the commercial LCA software EIME v6.2. with database version CODDE-2024-06. Indicators Set used: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0</p>	
Manufacturing	The product is assembled and prepared for shipment by direct source supplier, located in Czech Republic. Energy model used: Europe

Distribution	Distribution of the product in its packaging from the Eaton's last logistics platform to the installation place in Europe is considered as road transport of 3500 km (Intracontinental transport) by lorry as per PCR.
Installation	Packaging waste treatment is considered as per European Union - 27 countries waste management statistics for the year 2020. Energy model used: Europe
Use	<u>Reference lifetime:</u> 10 years (as per real scenario) <u>Energy model used:</u> Europe. <u>Usage profile:</u> The product operates in active mode at 9.2 W for 48% of the time and in off mode at 0 W for 52% of the time. The total energy consumption is 403.66 kWh over the 10 years.
End of life	Product disposed according to European WEEE guidelines. Energy model used: Europe
Module-D	Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and loads beyond the boundaries of the system and are not to be included in the life cycle totals.

Environmental Impact considering for Functional Unit

Environmental Impact Indicators: Mandatory

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	Use* (B6 only)	C1-C4 - End of life	D - Benefits and loads
Climate change - total (GWP)	kg CO ₂ eq.	1.54E+02	1.07E+01	2.08E-01	5.43E-01	1.42E+02	4.26E-01	-5.23E-02
Climate change - fossil fuels (GWP-f)	kg CO ₂ eq.	1.54E+02	1.10E+01	2.08E-01	2.98E-01	1.42E+02	4.17E-01	-3.04E-01
Climate change - biogenics (GWP-b)	kg CO ₂ eq.	2.02E-01	-3.15E-01	8.51E-07	2.45E-01	2.62E-01	9.42E-03	2.51E-01
Climate change - land use and land use transformation (GWP-lu)	kg CO ₂ eq.	3.67E-04	3.67E-04	3.15E-07	1.20E-08	0.00E+00	2.97E-08	0.00E+00
Ozone depletion (ODP)	kg eq. CFC-11	1.58E-06	8.65E-07	2.52E-09	3.30E-09	6.89E-07	2.42E-08	-3.71E-08
Acidification (AP) (AP)	mole of H+ eq.	8.19E-01	8.36E-02	3.29E-04	6.89E-04	7.29E-01	5.52E-03	-1.96E-03
Freshwater eutrophication (EP-fw)	kg P eq.	4.61E-04	5.53E-05	7.77E-07	4.56E-06	3.75E-04	2.61E-05	-3.25E-06
Marine aquatic eutrophication (EP-m)	kg of N eq.	1.03E-01	1.06E-02	5.96E-05	2.64E-04	8.88E-02	3.41E-03	-3.60E-04
Terrestrial eutrophication (EP-t)	mole of N eq.	1.54E+00	1.09E-01	6.54E-04	2.06E-03	1.43E+00	4.83E-03	-3.27E-03
Photochemical ozone formation (POCP)	kg of NMVOC eq.	3.17E-01	3.59E-02	2.11E-04	4.99E-04	2.79E-01	1.42E-03	-9.83E-04
Depletion of abiotic resources - elements (ADP-e)	kg eq. Sb	2.20E-03	2.14E-03	7.42E-08	1.17E-08	5.03E-05	6.95E-07	-3.11E-05
Depletion of abiotic resources-fossil fuels (ADP-f)	MJ	3.86E+03	2.50E+02	3.69E+00	2.38E+00	3.59E+03	9.94E+00	-4.90E+00
Water scarcity (WDP)	m3 of eq.. deprivation worldwide	7.50E+01	3.90E+00	7.49E-03	1.45E-02	1.09E+01	6.02E+01	-1.15E-01

* Note: B6 (energy requirements during the use stage) is considered. Other sub modules in the use stage (B1-B5, B7) are equal to zero. So, it is not listed in the result tables.

Environmental Impact Indicators: Inventory flow

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	Use* (B6 only)	C1-C4 - End of life	D - Benefits and loads
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials (PERE)	MJ	9.60E+02	8.60E+00	1.16E-02	9.10E-01	9.50E+02	3.88E-01	5.20E-01
Use of renewable primary energy resources used as raw materials (PERM)	MJ	5.62E+00	5.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-3.24E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used)	MJ	9.66E+02	1.42E+01	1.16E-02	9.10E-01	9.50E+02	3.88E-01	-2.72E+00

Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials (PENRE)	MJ	3.85E+03	2.38E+02	3.69E+00	2.38E+00	3.59E+03	9.94E+00	-4.64E+00
Use of non-renewable primary energy resources used as raw materials (PENRM)	MJ	1.19E+01	1.19E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.57E-01
Total use of non-renewable primary energy resources (primary energy and primary energy	MJ	3.86E+03	2.50E+02	3.69E+00	2.38E+00	3.59E+03	9.94E+00	-4.90E+00
Use of secondary materials (SM)	kg	1.68E-06	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels (RSF)	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels (NRSF)	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water (FW)	m3	2.01E+00	8.85E-02	1.74E-04	3.53E-04	2.56E-01	1.66E+00	-2.67E-03
Hazardous waste disposed of (HWD)	kg	4.02E+01	3.36E+01	8.70E-04	2.82E-02	6.24E+00	3.88E-01	-2.40E+00
Non-hazardous waste disposed of (NHWD)	kg	2.75E+01	3.22E+00	1.93E-02	1.29E-01	2.40E+01	9.31E-02	-1.71E-01
Radioactive waste disposed of (RWD)	kg	7.39E-03	1.84E-03	1.53E-05	1.36E-05	5.51E-03	9.79E-06	-7.90E-05
Components for re-use (CRU)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling (MFR)	kg	9.71E-02	1.69E-02	0.00E+00	4.98E-02	0.00E+00	3.05E-02	0.00E+00
Materials for energy recovery (MER)	kg	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-03	0.00E+00
Exported energy (EE)	MJ by energy vector	6.35E-02	7.02E-03	0.00E+00	5.44E-02	0.00E+00	2.13E-03	0.00E+00
Biogenic carbon content of the product (Cbio-Prd)	kg of C.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging (Cbio-Pkg)	kg of C.	1.03E-01	1.03E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

* Note: B6 (energy requirements during the use stage) is considered. Other sub modules in the use stage (B1-B5, B7) are equal to zero. So, it is not listed in the result tables.

Environmental Impact Indicators: Optional

Optional Environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	Use* (B6 only)	C1-C4 - End of life	D - Benefits and loads
Emission of fine particles (PM)	incidence of diseases	6.38E-06	4.84E-07	2.82E-09	4.26E-09	5.87E-06	1.76E-08	-5.60E-08
Ionising radiation, human health (IRP)	kBq of U235 eq.	2.12E+02	7.66E+00	7.36E-03	4.04E-02	2.05E+02	4.95E-02	-7.58E-01
Ecotoxicity, freshwater (ETP-fw)	CTUe	5.46E+02	2.63E+02	6.07E+00	3.12E+00	2.69E+02	4.77E+00	-4.25E+00
Human toxicity, cancer effects (HTP-c)	CTUh	3.54E-07	3.16E-07	4.08E-11	1.95E-08	1.79E-08	8.41E-10	-3.69E-07
Human toxicity, non-cancer effects (HTP-nc)	CTUh	7.66E-07	3.01E-07	7.77E-10	7.09E-10	4.27E-07	3.69E-08	-1.43E-08
Impacts related to land use/soil quality (SOP)	-	5.75E+00	1.14E+00	8.90E-04	9.84E-04	3.94E+00	6.66E-01	-4.24E-03
Total use of primary energy during the life cycle (PET)	MJ	4.82E+03	2.65E+02	3.71E+00	3.29E+00	4.54E+03	1.03E+01	-7.62E+00

* Note: B6 (energy requirements during the use stage) is considered. Other sub modules in the use stage (B1-B5, B7) are equal to zero. So, it is not listed in the result tables.


To evaluate the environmental impact of other product covered by this PEP, multiply the impact figures by Factors for Manufacturing, Installation, End-of-Life, and Module-D Phase:

Product Number	Product Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP	
Y7-401351	XV-102-L6-70TWRC-10 7",Res,USB,RS232+485,CAN, Linux,PLC	All Phases	1.00													
Y7-401350	XV-102-L4-70TWR-10 7",Res,USB,RS232+485,Linux	All Phases	1.00													
Y7-401349	XV-102-L6-57TVRC-10 5.7",Res,USB,RS232+485,CAN, Linux,PLC	Manufacturing	0.82	0.83	1.10	0.77	0.92	0.87	0.77	0.86	0.86	0.87	0.74	0.74	0.79	
		Distribution	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		Use	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.84	0.84	0.82	0.91	0.79	0.82	0.96	0.82	0.81	0.82	0.97	0.97	0.81	

Y7-401348	XV-102-L6-57TVR-10 5.7",Res,USB,RS232+485,CAN, Linux	Manufacturing	0.82	0.83	1.10	0.77	0.92	0.87	0.77	0.86	0.86	0.87	0.74	0.74	0.79	
		Distribution	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		Use	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.84	0.84	0.82	0.91	0.79	0.82	0.96	0.82	0.81	0.82	0.97	0.97	0.97	0.81
Y7-401347	XV-102-L4-57TVR-10 5.7",Res,USB,RS232+485, Linux	Manufacturing	0.82	0.83	1.10	0.77	0.92	0.87	0.77	0.86	0.86	0.87	0.74	0.74	0.79	
		Distribution	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		Use	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.84	0.84	0.82	0.91	0.79	0.82	0.96	0.82	0.81	0.82	0.97	0.97	0.97	0.81
Y7-401346	XV-102-L6-35TQRC-10 3.5",Res,USB,RS485,CAN, Linux, PLC	Manufacturing	0.43	0.43	0.64	0.43	0.60	0.46	0.34	0.42	0.43	0.45	0.29	0.29	0.41	
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
		Installation	0.52	0.57	0.45	0.55	0.62	0.62	0.66	0.64	0.62	0.61	0.58	0.58	0.65	
		Use	0.75	0.75	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
		End of Life	0.54	0.54	0.93	0.63	0.48	0.58	0.69	0.60	0.52	0.53	0.68	0.68	0.58	
Y7-401345	XV-102-L5-35TQRC-10 3.5",Res,USB,RS232,CAN, Linux, PLC	Manufacturing	0.43	0.43	0.64	0.43	0.60	0.46	0.34	0.42	0.43	0.45	0.29	0.29	0.41	
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	
		Installation	0.52	0.57	0.45	0.55	0.62	0.62	0.66	0.64	0.62	0.61	0.58	0.58	0.65	
		Use	0.75	0.75	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
		End of Life	0.54	0.54	0.93	0.63	0.48	0.58	0.69	0.60	0.52	0.53	0.68	0.68	0.58	
Y7-401344	XV-102-L5-35TQR-10 3.5",Res,USB,RS232,CAN, Linux	Manufacturing	0.43	0.43	0.64	0.43	0.60	0.46	0.34	0.42	0.43	0.45	0.29	0.29	0.41	
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	
		Installation	0.52	0.57	0.45	0.55	0.62	0.62	0.66	0.64	0.62	0.61	0.58	0.58	0.65	
		Use	0.75	0.75	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
		End of Life	0.54	0.54	0.93	0.63	0.48	0.58	0.69	0.60	0.52	0.53	0.68	0.68	0.58	
Y7-401343	XV-102-L4-35TQR-10 3.5",Res,USB,RS485, Linux	Manufacturing	0.43	0.43	0.64	0.43	0.60	0.46	0.34	0.42	0.43	0.45	0.29	0.29	0.41	
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	
		Installation	0.52	0.57	0.45	0.55	0.62	0.62	0.66	0.64	0.62	0.61	0.58	0.58	0.65	
		Use	0.75	0.75	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
		End of Life	0.54	0.54	0.93	0.63	0.48	0.58	0.69	0.60	0.52	0.53	0.68	0.68	0.58	
Y7-401342	XV-102-L3-35TQR-10 3.5",Res,USB,RS232, Linux	Manufacturing	0.43	0.43	0.64	0.43	0.60	0.46	0.34	0.42	0.43	0.45	0.29	0.29	0.41	
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	
		Installation	0.52	0.57	0.45	0.55	0.62	0.62	0.66	0.64	0.62	0.61	0.58	0.58	0.65	
		Use	0.75	0.75	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
		End of Life	0.54	0.54	0.93	0.63	0.48	0.58	0.69	0.60	0.52	0.53	0.68	0.68	0.58	

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 number:</i>	EATO-00330-V01.01-EN	<i>Drafting rules</i>	PCR-4-ed4-EN-2021 09 06
		<i>Supplemented by</i>	PSR-0005-ed3.1-EN-2023 12 08
<i>Verifier accreditation number:</i>	VH56	<i>Information and reference documents</i>	www.pep-ecopassport.org
<i>Date of issue</i>	07-2025	<i>Validity period</i>	5 years
Independent verification of the declaration and data, in compliance with ISO 14025: 2006			
Internal	X	External	
<i>The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)</i>			
<i>PEPs are compliant with XP CO8-100-1:2016 and EN 50693:2019</i>			
<i>The components of the present PEP may not be compared with components from any other program.</i>			
<i>Document complies with ISO 14025: 2010 « Environmental labels and declarations. Type III environmental declarations »</i>			