

Product Environmental Profile

Rotating and fixable multi-outlet



LEGRAND'S ENVIRONMENTAL COMMITMENTS

- **Incorporate environmental management into our industrial sites**

Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

- **Offer our customers environmentally friendly solutions**

Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

- **Involve the environment in product design and provide informations in compliance with ISO 14025**

Reduce the environmental impact of products over their whole life cycle.

Provide our customers with all relevant information (composition, consumption, end of life, etc.).



REFERENCE PRODUCT

Function	Distribute the electrical energy network via rotating and fixable multi-outlet extension 3 sockets consuming 16A maximum under a voltage of 230V and for the reference service life of the product of 20 years.
Reference Product	
	Cat.No 694527
	Rotating and fixable multi-outlet extension 3 sockets with cable 1.5m and 1.5mm ² section

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.



PRODUCTS CONCERNED

The environmental data is representative of the following products:

Catalogue Numbers
Cat.number list to be found in the list of extrapolation coefficients on pages 7 and 8

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■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

Total weight of Reference Product	0.73 kg (all packaging included)
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Product alone weight 0.48 kg					
Plastics as % of weight		Metals as % of weight		Other as % of weight	
PVC	22.7%	Copper and copper alloys	14.1%	Electronic card (<10cm ²)	<0.1%
PP	13.4%	Steel	1.0%		
PC	8.9%	Tin	0.1%		
ABS	4.2%	Various metal	<0.1%		
PBT	0.7%				
PA	0.7%				
PS	0.2%				

Packaging (alone) : 0.25 kg					
PE	0.2%			Cardboard	29.7%
				Wood	4.1%
				Paper	<0.1%

Total plastics : 0.37 kg	51.0 %	Total metals : 0.11 kg	15.2 %	Total others : 0.25 kg	33.8 %
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At the date of edition of this document, the content of recycled material(s) is :

- Product alone (excluding packaging): 0% by mass
- Packaging only: 75% by mass



■ MANUFACTURE

This Reference Product comes from a site that has received ISO14001 certification.
The final assembly site is located in China.



■ DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 1325 km by truck from our warehouse to the local point of distribution into the market in Europe.

Packaging is compliant with european directive 2004/12/EU concerning packaging and packaging waste.



■ INSTALLATION

For the installation of the product, only standard tools are needed.



■ USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.

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END OF LIFE

The product end of life factors are taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or failing that, another form of reuse. This product falls within the scope of the WEEE directive (2012/19/EU). Therefore it must be processed through local WEEE recycling/recovery channels.

Extended producer responsibility:

The sale of this product is subject to a contribution to eco-organisations in each country responsible for managing end of life products in the field of application of the European Waste Electronic and Electrical Equipment Directive.



ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end of life. It is representative from products marketed and used in Europe, in compliance with the local current standards. The datasets collected in this PEP are representative of the year 2024.

For each phase, the following modelling elements were taken in account:

System Limit	Manufacture A1-A3	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
	Distribution A4	Transport between the last Group distribution centre and an average delivery point in the sales area.
	Installation A5	The end of life of the packaging.
	Use B1-B7	- Product category: based on PSR-0003-ed2.1-EN 2023 12 08 - §3.4 Other Cable Management Products - Use scenario: non-continuous operation for 20 years at 30% of rated load, during 30% of the time. This modelling duration does not constitute a minimum durability requirement. - Energy model: Electricity Mix_Low voltage_2020_Europe_EU-27.
	End of life C1-C4	Choice of end-of-life by default model for PCR-ed4-EN-2021 09 06.
D Module		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 burdens beyond the boundaries of the system, and are not to be included in the life cycle totals.
Software and data-base used		The set of indicators used is Indicators for PEF EF 3.1 (compliant: PEP ed.4, EN15804+A2) v2.0 EIME V6 and its database 2024-06-11.

Unless otherwise indicated the modelling energetic mix are those integrated in the data modules used from the aforementioned database.

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use ⁽¹⁾			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Climate change - total	2.60E+01	kg CO2 eq.	2.37E+00	4.88E-02	4.71E-01	2.27E+01	0*	2.27E+01	3.32E-01	-3.20E-01
Climate change - fossil fuels	2.59E+01	kg CO2 eq.	2.76E+00	4.88E-02	8.72E-02	2.27E+01	0*	2.27E+01	3.19E-01	-4.51E-02
Climate change - biogenics	4.57E-02	kg CO2 eq.	-3.93E-01	0*	3.84E-01	4.18E-02	0*	4.18E-02	1.30E-02	-2.75E-01
Climate change - land use and land use transformation	8.23E-05	kg CO2 eq.	8.20E-05	0*	0*	0*	0*	0*	2.10E-07	0*
Ozone depletion	3.80E-07	kg.equivalent. CFC-11	2.48E-07	7.49E-11	3.09E-09	1.10E-07	0*	1.10E-07	1.96E-08	-3.47E-08
Acidification (AP)	1.61E-01	mole of H+ equiv	4.12E-02	3.09E-04	5.23E-04	1.17E-01	0*	1.17E-01	2.99E-03	-9.47E-03
Freshwater eutrophication	5.96E-04	kg P eq.	1.40E-04	0*	6.87E-08	5.99E-05	0*	5.99E-05	3.96E-04	2.51E-06
Marine aquatic eutrophication	1.90E-02	kg of N equiv	4.00E-03	1.45E-04	1.27E-04	1.42E-02	0*	1.42E-02	5.22E-04	1.15E-04
Terrestrial eutrophication	2.82E-01	mole of N equiv	4.41E-02	1.59E-03	1.67E-03	2.28E-01	0*	2.28E-01	6.87E-03	1.54E-04
Photochemical ozone formation	6.16E-02	kg of NMVOC equiv	1.46E-02	4.01E-04	3.58E-04	4.47E-02	0*	4.47E-02	1.56E-03	-6.77E-04
Depletion of abiotic resources - elements	8.02E-03	kg.equivalent. Sb	8.00E-03	0*	0*	8.04E-06	0*	8.04E-06	1.29E-05	-9.38E-05
Depletion of abiotic resources - fossil fuels	6.48E+02	MJ	6.49E+01	6.81E-01	1.62E+00	5.74E+02	0*	5.74E+02	6.37E+00	-4.31E+00
Water requirement	3.85E+00	m3 of equiv. deprivation worldwide	1.75E+00	0*	3.68E-03	1.74E+00	0*	1.74E+00	3.56E-01	-4.55E-01
Emission of fine particles	1.20E-06	incidence of diseases	2.40E-07	2.52E-09	3.62E-09	9.38E-07	0*	9.38E-07	1.82E-08	-5.75E-08

*Represents less than 0.01% of the total life cycle of the reference flow

⁽¹⁾ For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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Total Life Cycle			Manufacturing	Distribution	Installation	Use ⁽¹⁾			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Ionizing radiation. human health	7.07E+01	kBq of U235 equiv.	3.79E+01	0*	3.63E-02	3.27E+01	0*	3.27E+01	1.01E-01	-1.69E+01
Ecotoxicity (fresh water)	1.81E+02	CTUe	1.19E+02	3.20E-02	2.11E+00	4.30E+01	0*	4.30E+01	1.72E+01	2.51E+00
Human toxicity. carcinogenic effects	6.35E-07	CTUh	6.32E-07	0*	0*	2.86E-09	0*	2.86E-09	4.97E-10	1.76E-09
Human toxicity. non-carcinogenic effects	4.76E-07	CTUh	3.74E-07	0*	6.33E-10	6.83E-08	0*	6.83E-08	3.27E-08	-1.35E-07
Impacts related to land use/soil quality	2.52E+00	-	6.91E-01	0*	1.69E-03	6.29E-01	0*	6.29E-01	1.20E+00	-1.46E-04
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	1.55E+02	MJ	2.76E+00	0*	1.22E-01	1.52E+02	0*	1.52E+02	5.56E-01	-1.07E+00
Use of renewable primary energy resources used as raw materials	1.73E+00	MJ	1.73E+00	0*	0*	0*	0*	0*	0*	3.36E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1.57E+02	MJ	4.49E+00	0*	1.22E-01	1.52E+02	0*	1.52E+02	5.56E-01	2.29E+00
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	6.37E+02	MJ	5.48E+01	6.81E-01	1.62E+00	5.74E+02	0*	5.74E+02	6.37E+00	-3.21E+00
Use of non-renewable primary energy resources used as raw materials	1.00E+01	MJ	1.00E+01	0*	0*	0*	0*	0*	0*	-1.10E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	6.48E+02	MJ	6.49E+01	6.81E-01	1.62E+00	5.74E+02	0*	5.74E+02	6.37E+00	-4.31E+00

*Represents less than 0.01% of the total life cycle of the reference flow

⁽¹⁾ For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use ⁽¹⁾			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	1.87E-01	kg	1.87E-01	0*	0*	0*	0*	0*	0*	0*
Use of renewable secondary fuels	0	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Use of non-renewable secondary fuels	0	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Net use of fresh water	9.02E-02	m3	4.08E-02	0*	1.44E-04	4.09E-02	0*	4.09E-02	8.37E-03	-1.06E-02
Hazardous waste disposed of	1.74E+01	kg	1.57E+01	0*	9.20E-02	9.97E-01	0*	9.97E-01	6.51E-01	-7.66E+00
Non-hazardous waste disposed of	4.40E+00	kg	5.10E-01	1.71E-03	1.26E-02	3.84E+00	0*	3.84E+00	3.68E-02	1.18E-01
Radioactive waste disposed of	1.12E-03	kg	2.16E-04	1.22E-06	5.22E-06	8.81E-04	0*	8.81E-04	1.91E-05	4.63E-05
Components for re-use	0	kg	0*	0*	0*	0*	0*	0*	0*	0*
Materials for recycling	1.19E-01	kg	2.48E-02	0*	0*	0*	0*	0*	9.43E-02	0*
Materials for energy recovery	0	kg	0*	0*	0*	0*	0*	0*	0*	0*
Exported energy	0	MJ by energy vector	0*	0*	0*	0*	0*	0*	0*	0*
Total use of primary energy during the life cycle	8.05E+02	MJ	6.94E+01	6.82E-01	1.74E+00	7.26E+02	0*	7.26E+02	6.93E+00	-2.02E+00
Biogenic carbon content of the product	0	kg of C.	0*	0*	0*	0*	0*	0*	0*	0*
Biogenic carbon content of the associated packaging	1.18E-01	kg of C.	1.18E-01	0*	0*	0*	0*	0*	0*	7.97E-02

*Represents less than 0.01% of the total life cycle of the reference flow

⁽¹⁾ For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

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For products covered by the PEP other than the Reference Product, the environmental impacts of each phase of the lifecycle are calculated by applying the following coefficients on those of the Reference Product.

MOES : Multi-Outlet Extension Socket

Reference	Designation	Total Life Cycle	Manufacturing	Distribution	Installation	Use	End of life
694527	MOES SCH 3X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1	1	1	1	1	1
049464	MOES FB 3X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.7	0.6	0.6	1.1	1.0	0.5
694543	MOES SCH 3X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.7	0.6	0.6	1.1	1.0	0.5
049465	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.7	0.6	0.6	1.1	1.0	0.6
049466	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE BLACK	0.7	0.6	0.6	1.1	1.0	0.6
694544	MOES SCH 4X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.7	0.6	0.6	1.1	1.0	0.6
694545	MOES SCH 4X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE BLACK	0.7	0.6	0.6	1.1	1.0	0.6
049467	MOES FB 5X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.8	0.7	0.7	1.2	1.0	0.7
694546	MOES SCH 5X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.8	0.7	0.7	1.2	1.0	0.7
049468	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.9	0.8	0.8	1.3	1.1	0.7
049469	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE BLACK	0.9	0.8	0.8	1.3	1.1	0.7
694547	MOES SCH 6X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE WHITE/BLACK	0.9	0.8	0.8	1.3	1.1	0.7
694548	MOES SCH 6X2P+E PREMIUM ROTATIVE AND FIXABLE WITHOUT CABLE BLACK	0.9	0.8	0.8	1.3	1.1	0.7
049442	MOES FB 3X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 WHITE/BLACK	1.0	0.9	0.9	1.0	1.3	0.9
049444	MOES FB 3X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 BLACK	1.0	0.9	0.9	1.0	1.3	0.9
049446	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 WHITE/BLACK	1.1	1.0	1.0	1.1	1.4	1.0
049448	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 BLACK	1.1	1.0	1.0	1.1	1.4	1.0
049443	MOES FB 3X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.0	1.0	1.0	1.1	1.0	1.0
049445	MOES FB 3X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.0	1.0	1.0	1.1	1.0	1.0
694528	MOES SCH 3X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.0	1.0	1.0	1.1	1.0	1.0
049447	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.1	1.1	1.1	1.1	1.0	1.1
049449	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.1	1.1	1.1	1.1	1.0	1.1
694529	MOES SCH 4X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.1	1.1	1.1	1.1	1.0	1.1
694530	MOES SCH 4X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.1	1.1	1.1	1.1	1.0	1.1
049450	MOES FB 5X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 WHITE/BLACK	1.1	1.1	1.1	1.2	1.4	1.1
049452	MOES FB 5X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 BLACK	1.1	1.1	1.1	1.2	1.4	1.1
049454	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 WHITE/BLACK	1.2	1.2	1.2	1.3	1.4	1.2
049456	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1MM2 BLACK	1.2	1.2	1.2	1.3	1.4	1.2
049451	MOES FB 5X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.2	1.2	1.2	1.2	1.0	1.2

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Reference	Designation	Total Life Cycle	Manu- factu- ring	Distri- bution	Install- ation	Use	End of life
049453	MOES FB 5X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.2	1.2	1.2	1.2	1.0	1.2
694531	MOES SCH 5X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.2	1.2	1.2	1.2	1.0	1.2
694532	MOES SCH 5X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.2	1.2	1.2	1.2	1.0	1.2
049455	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.2	1.2	1.2	1.3	1.1	1.2
049457	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.2	1.2	1.2	1.3	1.1	1.2
694533	MOES SCH 6X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 WHITE/BLACK	1.2	1.2	1.2	1.3	1.1	1.2
694534	MOES SCH 6X2P+E PREMIUM ROTATIVE AND FIXABLE 1.5M 1.5MM2 BLACK	1.2	1.2	1.2	1.3	1.1	1.2
049458	MOES FB 3X2P+E PREMIUM ROTATIVE AND FIXABLE 3M WHITE/BLACK	1.4	1.3	1.3	1.1	2.0	1.4
694535	MOES SCH 3X2P+E PREMIUM ROTATIVE AND FIXABLE 3M 1.5MM2 WHITE/BLACK	1.4	1.3	1.3	1.1	2.0	1.4
049459	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE 3M WHITE/BLACK	1.5	1.4	1.4	1.1	2.0	1.4
049460	MOES FB 4X2P+E PREMIUM ROTATIVE AND FIXABLE 3M BLACK	1.5	1.4	1.4	1.1	2.0	1.4
694536	MOES SCH 4X2P+E PREMIUM ROTATIVE AND FIXABLE 3M 1.5MM2 WHITE/BLACK	1.5	1.4	1.4	1.1	2.0	1.4
694537	MOES SCH 4X2P+E PREMIUM ROTATIVE AND FIXABLE 3M 1.5MM2 BLACK	1.5	1.4	1.4	1.1	2.0	1.4
049461	MOES FB 5X2P+E PREMIUM ROTATIVE AND FIXABLE 3M WHITE/BLACK	1.6	1.5	1.5	1.2	2.1	1.5
694538	MOES SCH 5X2P+E PREMIUM ROTATIVE AND FIXABLE 3M 1.5MM2 WHITE/BLACK	1.6	1.5	1.5	1.2	2.1	1.5
049462	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE 3M WHITE/BLACK	1.7	1.6	1.6	1.3	2.2	1.6
049463	MOES FB 6X2P+E PREMIUM ROTATIVE AND FIXABLE 3M BLACK	1.7	1.6	1.6	1.3	2.2	1.6
694539	MOES SCH 6X2P+E PREMIUM ROTATIVE AND FIXABLE 3M 1.5MM2 WHITE/BLACK	1.7	1.6	1.6	1.3	2.2	1.6
694540	MOES SCH 6X2P+E PREMIUM ROTATIVE AND FIXABLE 3M 1.5MM2 BLACK	1.7	1.6	1.6	1.3	2.2	1.6
694541	MOES SCH 3X2P+E PREMIUM ROTATIVE AND FIXABLE 5M 1.5MM2 WHITE/BLACK	1.8	1.7	1.7	1.0	2.0	1.8
694542	MOES SCH 5X2P+E PREMIUM ROTATIVE AND FIXABLE 5M 1.5MM2 WHITE/BLACK	1.9	1.9	1.9	1.2	2.1	2.0

Registration number: LGRP-02079-V01.01-EN	Drafting rules: « PEP-PCR-ed4-EN-2021 09 06 » Supplemented by «PSR-0003-ed2.1-2023 12 08»
Verifier accreditation N°: VH08	Information and reference documents: www.pep-ecopassport.org
Date of issue: 03-2025	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006	
Internal ☐ External ☒	
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)	
PEP are compliant with NF C08-100-1 :2016 and EN 50693 :2019 or NF E38-500 :2022 The elements of the present PEP cannot be compared with elements from another program	
Document in compliance with ISO 14025 : 2006: «Environmental labels and declarations. Type III environmental declarations»	



Environmental data in alignment with EN 15804: 2012 + A2 : 2019