



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

<p>Function</p>	<p>Protect the people direct contact with live parts and allow grouping monitoring, control and protection devices in a single enclosure or a cabinet having the following dimensions 600x600x625 mm, while protecting against mechanical impacts IK 08 and the penetration of solid objects and liquids IP 20 , this product has a life time of 20 years..</p>
<p>Reference Product</p>	
	<p>Cat.No 646212 Linkeo Wallmount Cabinet.</p>

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:

<p>Catalogue Numbers</p> <p>• 646200;646201;646202;646203;646204;646205;646210;646211;646212;646213;646214;646215;646230;646282;646283;646293;646250;646251;646252;646253;646254;646255;646260;646261;646262;646263;646264;646265</p>
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Product Environmental Profile

Linkeo Wallmount Cabinet



■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market.

Total weight of Reference Product	32000 g (all packaging included)				
Plastics as % of weight		Metals as % of weight		Other as % of weight	
		Steel	74.2 %	Glass	8.8 %
Various plastics	0.1 %				
Packaging as % of weight					
				Wood	14.4 %
				Paper	2.5 %
Total plastics	0.1 %	Total metals	74.2 %	Total others	25.7 %

Estimated recycled material content: 27 % by mass.



■ MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification.



■ 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 780km by road from our warehouse to the local point of distribution into the market Europe.

Packaging is compliant with european directive 2004/12/EU concerning packaging and packaging waste. At their end of life, its recyclability rate is 96 % (in % of packaging weight).



■ 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.



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.

• Recyclability rate:

Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 99 %. This value is based on data collected from a technological channel operating on an industrial basis. It does not pre-validate the effective use of this channel for the end of life of this product.

Separated into:

- plastic materials (excluding packaging) : 0 %
- metal materials (excluding packaging) : 74 %
- other materials (excluding packaging) : 9 %
- packaging (all types of materials) : 16 %



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.

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

Unless otherwise specified, the energy models are those integrated in the modules used from the EIME database	
Manufacture	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
Distribution	Transport between the last Group distribution centre and an average delivery point in the sales area.
Installation	The end of life of the packaging.
Use	<ul style="list-style-type: none"> • Product category: envelope. • Use scenario: no energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durability requirement.
End of life	The default end of life scenario maximizing the impacts.
Software and database used	EIME & database CODDE-2018-11

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SELECTION OF ENVIRONMENTAL IMPACTS

	Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
	Value	Unit	Value	%	Value	%	Value	%	Value	%	Value	%
Global warming	1.33E+02	kgCO ₂ eq.	1.30E+02	97%	1.24E+00	< 1%	2.80E-01	< 1%	0.00E+00	0%	1.87E+00	1%
Ozone depletion	3.18E-05	kgCFC-11 eq.	3.18E-05	100%	2.52E-09	< 1%	8.10E-10	< 1%	0.00E+00	0%	1.85E-08	< 1%
Acidification of soils and water	3.63E-01	kgSO ₂ eq.	3.49E-01	96%	5.58E-03	2%	1.28E-03	< 1%	0.00E+00	0%	7.76E-03	2%
Water eutrophication	6.77E-02	kg(PO ₄) ³⁻ eq.	5.36E-02	79%	1.28E-03	2%	5.04E-04	< 1%	0.00E+00	0%	1.23E-02	18%
Photochemical ozone formation	3.68E-02	kgC ₂ H ₄ eq.	3.58E-02	97%	3.97E-04	1%	9.06E-05	< 1%	0.00E+00	0%	5.86E-04	2%
Depletion of abiotic resources - elements	1.32E-04	kgSb eq.	1.32E-04	100%	4.97E-08	< 1%	1.14E-08	< 1%	0.00E+00	0%	8.60E-08	< 1%
Total use of primary energy	4.76E+03	MJ	4.72E+03	99%	1.76E+01	< 1%	3.93E+00	< 1%	0.00E+00	0%	2.28E+01	< 1%
Net use of fresh water	4.63E+00	m ³	4.63E+00	100%	1.11E-04	< 1%	3.63E-05	< 1%	0.00E+00	0%	6.91E-04	< 1%
Depletion of abiotic resources - fossil fuels	1.42E+03	MJ	1.38E+03	97%	1.75E+01	1%	3.89E+00	< 1%	0.00E+00	0%	2.20E+01	2%
Water pollution	9.34E+03	m ³	8.83E+03	95%	2.04E+02	2%	4.55E+01	< 1%	0.00E+00	0%	2.56E+02	3%
Air pollution	1.65E+04	m ³	1.63E+04	99%	5.09E+01	< 1%	1.58E+01	< 1%	0.00E+00	0%	1.27E+02	< 1%

The values of the 27 impacts defined in the PCR-ed3-EN-2015 04 02 are available in the digital database of pep-ecopassport.org website.

For all products concerned (see § «products concerned»), take these impacts values.

The reference product : 646212					
Linkeo capacité 12U - 625x600x600mm					
Coefficient of extrapolation of environmental indicators					
Associated References	Manufacturing	Distribution	Installation	Use	End of life
646200 Linkeo capacité 6U - 358x600x450mm			0.54		
646201 Linkeo capacité 9U - 492x600x450mm			0.67		
646202 Linkeo capacité 12U - 625x600x450mm			0.80		
646203 Linkeo capacité 15U - 759x600x450mm			0.91		
646204 Linkeo capacité 18U - 892x600x450mm			1.05		
646205 Linkeo capacité 21U - 1025x600x450mm			1.18		
646210 Linkeo capacité 6U - 359x600x600mm			0.72		
646211 Linkeo capacité 9U - 492x600x600mm			0.89		
646213 Linkeo capacité 15U - 759x600x600mm			1.40		
646214 Linkeo capacité 18U - 892x600x600mm			1.49		
646215 Linkeo capacité 21U - 1035x600x600mm			1.63		
646230 Linkeo capacité 6U - 359x370x300mm			0.31		
646282 Linkeo capacité 12U - 635x635x435mm			0.82		
646283 Linkeo capacité 15U - 768x635x435mm			0.93		
646293 Linkeo capacité 15U - 920x635x635mm			1.41		
646250 Linkeo capacité 6U - 358x600x450mm			0.46		
646251 Linkeo capacité 9U - 471x600x450mm			0.50		
646252 Linkeo capacité 12U - 604x600x450mm			0.58		
646253 Linkeo capacité 15U - 738x600x650mm			0.72		
646254 Linkeo capacité 18U - 871x600x450mm			0.79		
646255 Linkeo capacité 21U - 1004x600x450mm			0.73		
646260 Linkeo capacité 6U - 358x600x600mm			0.54		
646261 Linkeo capacité 9U - 471x600x600mm			0.64		
646262 Linkeo capacité 12U - 604x600x600mm			0.65		
646263 Linkeo capacité 15U - 738x600x600mm			0.75		
646264 Linkeo capacité 18U - 871x600x600mm			0.85		
646265 Linkeo capacité 21U - 1004x600x600mm			0.95		

Contact Legrand if you have any questions regarding the calculation of coefficients for impacts others than those presented in this PEP

Product Environmental Profile

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Verifier accreditation N°: VH18	Information and reference documents: www.pep-ecopassport.org
Date of issue: 11-2021	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010 Internal <input type="checkbox"/> External <input checked="" type="checkbox"/>	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)	
PEP are compliant with XP C08-100-1 : 2016 The elements of the present PEP cannot be compared with elements from another program	
Document in compliance with ISO 14025 : 2010: «Environmental labels and declarations. Type III environmental declarations»	
Environmental data in alignment with EN 15804: 2012 + A1 : 2013	