la legrand

128 av. du Maréchal-de-Lattre-de-Tassigny 87045 Limoges Cedex France Tel. +33 (0) 5 55 06 87 87 Fax. + 33 (0) 5 55 06 88 88

Your usual Sales office www.legrand.com

Product Environmental Profile

Cabinets DRIVIA TM





LEGRAND'S ENVIRONMENTAL COMMITMENTS |

• Incorporate environmental management into our industrial sites Of all Legrand sites worldwide, over 80% are ISO 14001-certified (sites belonging to the Group for more than five years)..

• Involve the environment in product design

Provide our customers with all relevant information (composition, consumption, end of life, etc.). Reduce the environmental impact of products over their whole life cycle..

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



REFERENCE PRODUCT

Fonction	Support, organize and protect electrical equipment of 13 modules and 2 rows for setting implementation of modular electric installation in accordance with CEI 60670-24 for a period of 20 years and the regulatory compliance of ERP (Open to the Public Establishment) and IGH (High-rise buildings).
Reference Product	Catalogue Numbers 4 012 12
	Cabinets 2R 13 modules

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 for the reference product refers to the following Catalogue Numbers:

list of catalog numbers, including the catalog numbers of the 4 012 12

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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. At the date of publication of this document, this Reference Product does not contain RoHS substances (2002/95/EC and its revision 2011/65/EU), and no substances appearing on the list of substances that are candidate for authorization of the european Reach regulation (REACH - article 33.1).

Total weight of Reference Product	1569 g (with u	nit packaging)				
Plastics as % of weight		Metals as % of weight		Other as % of weight		
Polystyrene (PS, high impact)	46,0%	Acier	Retardateur de flamme	5,1%		
Polycarbonates (PC)	11,7%	Cuivre	4,5%			
Polyethylene (LDPE)	0,3%	Zinc	1,7% Other miscellaneous			
Acrylonitrile Butadiene Styrene 0, (ABS)		Inox	0,4%	Packaging as % of weight		
				Carton	18,1%	
				Paper (50% recycled)	1,2%	
Total plastics	58.1%	Total metals	17.1%	Total other and packaging	24.8%	

Estimated recycled material content: 21% by mass.



MANUFACTURE

This Reference Product comes from sites that has 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 450 km by road from our warehouse to the local point of distribution in France.

Packaging is compliant: European directive 2004/12/EC concerning packaging and packaging waste and french decree 98-638. At the packaging end of life, its theoretical recycling potential is of 100% and its energy recovery potential is of 100% (in % of the mass of the packaging)



INSTALLATION

Installation components not delivered with the product are not taken into account.



Servicing and maintenance:

Under normal conditions of use, this type of Product requires no servicing or maintenance

Consumable

No consumables are necessary to use the Reference Product

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🔪 🔳 END OF LIFE 🔳

• Hazardous waste contained in the product: 0 g

no hazardous waste comes from this Reference Product

Non-hazardous waste contained in the product: 1265 g

• Theoretical recycling potential:

The theoritical recycling potential of a product is the percentage of material that can be recycled using existing techniques. It takes no account of the existence or lack of recycling services, which are highly dependent on the local situation. This Reference Product contains 93% by weight of potentially recycling material (excluding packaging) :

This Reference Product contains 93% by weight of potentially recycling material (excluding packaging):

- Plastic materials	:72 %
- Metal materials	: 21 %

• Energy recovery potential:

Energy recovery consists in using the calories contained in waste by burning it and recovering the energy produced, for example, to heat buildings or to produce electricity. The process uses the convertible energy contained in the waste. 75 % of the product mass can be reclaimed with energy recovery.



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 France in compliance with NFC 15100 and associated product standards. The following modelling elements were taken into account:

Manufacture	Unit packaging taken into account.
Distribution	Transport between the last Group distribution centre and an average delivery to the sales area
Installation	Installation components not delivered with the product are not taken into account.
Use	 Under normal conditions of use, this type of Product requires no servicing or maintenance No consumables are necessary to use the Reference Product Product category : envelope Use scenario : no energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durabilty requirement.
End of life	In view of the data avalaible on the date of creation of the document, and in accordance with the requirements of the PCR of the "PEP ecopassport" programme, transport of the reference product by road only once, over a distance of 1000 km, to a processing site at end of life was counted.
Software used	EIME V4.1 and its database 11.3

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ENVIRONMENTAL IMPACTS (a)	continued)
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		Total for Lif	e cycle	Raw material an manufactu		Distributio	n	Installation		Use		End of life	
	Contribution to greenhouse effect	8,34E+03	g~CO2	8,08E+03	97%	8,36E+01	1%	0,00E+00	0%	0,00E+00	0%	1,86E+02	2%
	Damage to the ozone layer	1,17E-03	g~CFC-11	9,82E-04	84%	5,91E-05	5%	0,00E+00	0%	0,00E+00	0%	1,31E-04	11%
licators	Eutrophisation of water	8,32E-01	g~PO43-	8,27E-01	99%	1,39E-03	(< 1%)	0,00E+00	0%	0,00E+00	0%	3,09E-03	(< 1%)
Mandatory indicators	Photochemical ozone formation	4,13E+00	g~C2H4	3,90E+00	94%	7,14E-02	2%	0,00E+00	0%	0,00E+00	0%	1,59E-01	4%
Manda	Acidification of the air	1,48E+00	g~H+	1,45E+00	98%	1,07E-02	(< 1%)	0,00E+00	0%	0,00E+00	0%	2,37E-02	2%
	Total energy consumed	1,57E+02	MJ	1,54E+02	98%	1,05E+00	(< 1%)	0,00E+00	0%	0,00E+00	0%	2,34E+00	1%
	Consumption of water	4,40E+01	dm3	4,37E+01	99%	1,00E-01	(< 1%)	0,00E+00	0%	0,00E+00	0%	2,23E-01	(< 1%)

tors	Depletion of natural resources	4,46E-15	années ⁻¹	4,45E-15	100%	1,44E-18	(< 1%)	0,00E+00	0%	0,00E+00	0%	3,20E-18	(< 1%)
indica	Toxicity of the air	2,12E+06	m³	2,07E+06	98%	1,58E+04	(< 1%)	0,00E+00	0%	0,00E+00	0%	3,50E+04	2%
Optional	Toxicity of the water	4,01E+03	dm³	3,98E+03	99%	1,04E+01	(< 1%)	0,00E+00	0%	0,00E+00	0%	2,32E+01	(< 1%)
	Production of hazardous waste	7,32E-02	kg	7,31E-02	100%	3,11E-05	(< 1%)	0,00E+00	0%	0,00E+00	0%	6,91E-05	(< 1%)

The environmental impacts of the Reference Product are representative of the products covered by the PEP, which therefore constitute a homgeneous environmental family

To determine the environmental impact of a product covered by the PEP other than the cat.number (ref 401212), the following rules apply : - multiply all indicators of cat number by the coefficient defined in the table below :

Coffret	1x13M	2x13M	3x13M	4x13M	1x18M	2x18M	3x18M	4x18M
Coefficient	0.6	1.0	1.2	1.2	0.8	1,2	1,2	1.7

The values of these impacts are valid for the context specified in this document. They must not be used directly to draw up the environmental balance sheet for the installation.

Registration number: LGRP-2012-020-v1-en	Drafting rule: PEP-PCR-ed 2-FR-2011 12 09					
Authorisation number of checker: VH02	Programme information: www.pep-ecopassport.org					
Date of issue: 03-2013	Validity period: 4 years					
Independent verification of the declaration and data, in accordance with Internal I External						
In accordance with ISO 14025 :2006 Type III environmental declaration						
The critical review of the PCR was conducted by a panel of experts chaired	d by J.Chevalier (CSTB)					
The elements of the present PEP cannot be compared with elements from another programme						

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