128 av. du Maréchal-de-Lattre-de-Tassigny
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Your usual Sales office
www.legrand.com

Product Environmental Profile

Nereya ™

Blanking Plate 4x4 Sal

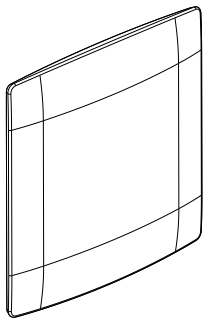
LEGRAND'S ENVIRONMENTAL COMMITMENTS

• 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	Protect persons during 20 years against direct contact with live parts from low voltage devices or systems (250V) and 20A maximum current.
Reference Product	
	Cat. N° 663400
	Blanking Plate 4x4 Sal

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:

Complete Solution
• 663400 Blanking Plate 4x4 Sal • 663403 Blanking Plate 4x4 Sugar Gloss • 663200 Blanking plate 4x2 Sal • 663203 Blanking Plate 4x2 Sugar Gloss

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PEP ecopassport®

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.

Total weight of Reference Product	50 g (with unit packaging)

Plastics as % of weight		Metals as % of weight		Packaging as % of weight	
PS	61.1 %			Wood (packaging)	20.7 %
				Paper (packaging)	13.6 %
				PE (packaging)	4.5 %
				PP (packaging)	0.1 %
Total plastics	61.1 %	Total metals	0.0 %	Total other and packaging	38.9 %

Estimated recycled material content: 11 % by mass.

MANUFACTURE

This Reference Product comes from sites that observe the applicable legislation for industrial sites.

DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over a maximum distance of 4800 km by road from our warehouse to the local point of distribution into the market in Brazil.

Packaging is compliant with applicable regulation. At their end of life, its recyclability rate is 85,5% (in % of the mass of the packaging).

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.

• Recyclability rate:

Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 93 % .This value is based on data collected from a technological channel using industrial procedures. It does not pre-validate the effective use of this channel for end-of-life electrical and electronic products.

Separated into:
- plastic materials (excluding packaging): 58 %
- packaging (all types of materials): 33 %

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 Brazil.

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

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 the farest delivery point in the sales area.
Installation	The end of life of the packaging.
Use	• Product category: Envelope • Use scenario : no energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durabilty requirement. • Energy model: Electricity Mix; Brazil - 2009.
End of life	The default end of life scenario maximizing the environmental impacts.
Software and database used	EIME V5 and its database «CODDE-2015-04»

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SELECTION OF ENVIRONMENTAL IMPACTS

	Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
Global warming	2.36E-01	kgCO_2 eq.	2.18E-01	92%	1.32E-02	6%	1.21E-03	< 1%	0.00E+00	0%	3.65E-03	2%
Ozone depletion	1.41E-08	kgCFC-11 eq.	1.39E-08	99%	2.67E-11	< 1%	1.09E-11	< 1%	0.00E+00	0%	9.33E-11	< 1%
Acidification of soils and water	3.39E-04	kgSO_2 eq.	2.61E-04	77%	5.92E-05	17%	5.41E-06	2%	0.00E+00	0%	1.39E-05	4%
Water eutrophication	1.20E-04	kg$(PO_4)^{3-}$ eq.	8.61E-05	72%	1.36E-05	11%	3.94E-06	3%	0.00E+00	0%	1.58E-05	13%
Photochemical ozone formation	5.12E-05	kgC_2H_4 eq.	4.55E-05	89%	4.21E-06	8%	3.91E-07	< 1%	0.00E+00	0%	1.09E-06	2%
Depletion of abiotic resources - elements	1.67E-08	kgSb eq.	1.58E-08	95%	5.27E-10	3%	5.65E-11	< 1%	0.00E+00	0%	2.35E-10	1%
Total use of primary energy	4.37E+00	MJ	4.14E+00	95%	1.77E-01	4%	1.53E-02	< 1%	0.00E+00	0%	3.87E-02	< 1%
Net use of fresh water	9.16E-04	m^3	9.11E-04	99%	1.18E-06	< 1%	4.19E-07	< 1%	0.00E+00	0%	3.22E-06	< 1%
Depletion of abiotic resources - fossil fuels	4.32E+00	MJ	4.06E+00	94%	1.85E-01	4%	1.70E-02	< 1%	0.00E+00	0%	5.21E-02	1%
Water pollution	1.05E+01	m^3	7.78E+00	74%	2.17E+00	21%	1.80E-01	2%	0.00E+00	0%	4.12E-01	4%
Air pollution	2.05E+01	m^3	1.94E+01	95%	5.40E-01	3%	1.07E-01	<1%	0.00E+00	0%	4.33E-01	2%

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 products covered by the PEP other than the Reference product, the environmental impacts of each phase of the lifecycle are obtained by multiplying those of the Reference Product by the following coefficients:

	SUM	Manufacturing	Distribution	Installation	Use	End of Life
663403 blanking plate 4x4 sugar gloss	1.2	1.2	1	1	1	1.3
663200 blanking plate 4x2 sal	0.7	0.7	1	1	1.1	0.6
663203 blanking plate 4x2 sugar gloss	0.8	0.8	1	1	1	0.8

Registration N°: LGRP-00370-V01-01-EN	Drafting rules: «PEP-PCR-ed3-EN-2015 04 02» Supplemented by «PSR-0005-ed2-2016 03 29»
Verifier accreditation N°: VH23	Information and reference documents : www.pep-ecopassport.org
Date of issue: 12-2017	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025:2010 Internal ☒ External ☐	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)	
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	