

Your usual Sales office www.legrand.fr

# **Product Environmental Profile**

Excel Life
Grid and Plate only White





### ■ 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

Function	Envelopes: Put in standby a wiring device powerpoint by closing the hole in the support for 20 years (wall for example).
Reference products	
	Cat. No. EC770/0GPLWE
	Grid and plate only white

The compagny 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 help binding on the Compagny.



### ■ PRODUCTS CONCERNED

The environmental data for the reference product represent the following Catalogue Numbers:

Catalogue Numbers							
• EC770/0GPLWE	• ED770/0GPLWE	• ES770/0GPLWE					
• EC770/1GPLWE	• ED770/1GPLWE	• ES770/1GPLWE					
• EC770/2GPLWE	• ED770/2GPLWE	• ES770/2GPLWE					
EC770/3GPLWE	• ED770/3GPLWE	• ES770/3GPLWE					
EC770/4GPLWE	• ED770/4GPLWE	• ES770/4GPLWE					
• EC770/5GPLWE	• ED770/5GPLWE	• ES770/5GPLWE					
• EC770/6GPLWE	• ED770/6GPLWE	• ES770/6GPLWE					



# Your usual Sales office www.legrand.fr

# **Product Environmental Profile**

Excel Life
Grid and Plate only White





### **■ CONSTITUENT MATERIALS**

This 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 product contains no substances to which the RoHS directives apply 2002/95/EC and no substances appearing on the list of candidates for authorisation of the European REACH regulation.

Total weight of reference products:	63 g unit packaging included	

Plastics as % of weight	Metals as % of weight		Other as % of weight			
Polycarbonates (PC)	68.80%	Steel	9.00%	Titanium dioxide (TiO2)	1.40%	
Polyethylene (LDPE)	5.00%	Zinc (Zn)	0.10%			
Polypropylene (PP)	0.70%					
				Packaging as % of weight		
				Cardboard and paper	15.00%	
Total plastics	74.50%	Total metals	9.10%	Total other and packaging	16.40%	

Estimated recycled material content: 17% by weight



### **■** MANUFACTURE **■**

These products come from sites that have initiated an ISO 14001 environmental certification.



#### **■** DISTRIBUTION I

The Group's products are distributed from logistics centres located with a view to optimum transport efficiency.

The reference product is therefore transported over an average distance of 1111 km, essentially by road representing a market in Australia

Packaging is compliant with applicable regulations. At the end of product life, the theoretical recycling potential is 99% and their energy recovery potential is 100% as % of packaging weight.



### INSTALLATION I

No additional components are required to install the products.



### **■** USE **■**

#### 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 products.



# Your usual Sales office www.legrand.fr

# **Product Environmental Profile**

Excel Life
Grid and Plate only White





#### ■ END OF LIFE ■

#### • Hazardous waste contained in the product:

This product contains no hazardous waste.

 $\bullet$  Non-hazardous waste contained in the product:  $53.1\ g$ 

#### • Theoretical recycling potential:

The theoretical 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 product contains 98% by weight of potentially recyclable material excluding packaging:

- Plastic materials : 88% - Metal materials : 11%

#### • 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, 88% of the product mass can be recycled 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 of the product marketed and used in Australia.

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	No additional components are required to install the products.
Use	<ul> <li>Maintenance: Under normal conditions of use, this type of product requires no servicing or maintenance.</li> <li>No consumables are necessary to use the products.</li> <li>Product category: envelopes.</li> <li>Use scenario: operation for 20 years with no needed electricity.</li> <li>This modelling duration does not constitute a minimum durability requirement.</li> <li>Energy model: no electricity.</li> </ul>
End of life	In view of the data available 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 version 4.1 and its database. version 11.3



Your usual Sales office www.legrand.fr

# **Product Environmental Profile**

Excel Life
Grid and Plate only White





## ■ ENVIRONMENTAL IMPACTS continued ■

		Total for I	Raw otal for Life cycle material and Distribution Installation manufacture		material and		tle material and Dis		tion	Use		End of life	
	Contribution to greenhouse effect	4.14E+02	G~CO <sub>2</sub>	3.96E+02	96%	1.06E+01	3%	0.00E+00	0%	0.00E+00	0%	7.42E+00	2%
	Damage to the ozone layer	4.47E-05	g~CFC-11	3.19E-05	71%	7.53E-06	17%	0.00E+00	0%	0.00E+00	0%	5.25E-06	12%
indicators	Eutrophisation of water	3.81E-02	g~P0 <sub>4</sub> <sup>3-</sup>	3.78E-02	99%	1.82E-04	< 1%	0.00E+00	0%	0.00E+00	0%	1.23E-04	< 1%
ory ind	Photochemical ozone formation	1.96E-01	g~C <sub>2</sub> H <sub>4</sub>	1.81E-01	92%	9.12E-03	5%	0.00E+00	0%	0.00E+00	0%	6.34E-03	3%
Mandatory	Acidification of the air	6.84E-02	g~H+	6.62E-02	97%	1.34E-03	2%	0.00E+00	0%	0.00E+00	0%	9.46E-04	1%
_	Total energy consumed	8.00E+00	МЛ	7.77E+00	97%	1.34E-01	2%	0.00E+00	0%	0.00E+00	0%	9.37E-02	1%
	Consumption of water	1.94E+00	dm³	1.92E+00	99%	1.28E-02	< 1%	0.00E+00	0%	0.00E+00	0%	8.90E-03	< 1%

tors	Depletion of natural resources	2.31E-17	<b>y</b> -1	2.28E-17	99%	1.83E-19	< 1%	0.00E+00	0%	0.00E+00	0%	1.28E-19	< 1%
indicators	Toxicity of the air	9.63E+04	m³	9.29E+04	97%	1.97E+03	2%	0.00E+00	0%	0.00E+00	0%	1.40E+03	1%
Optional	Toxicity of the water	2.12E+02	dm³	2.09E+02	99%	1.34E+00	< 1%	0.00E+00	0%	0.00E+00	0%	9.28E-01	< 1%
0	Production of hazardous waste	3.98E-03	kg	3.97E-03	100%	3.67E-06	< 1%	0.00E+00	0%	0.00E+00	0%	2.76E-06	< 1%

The environmental impacts of the reference product are representative of the products covered by the PEP which therefore constitute a homogeneous environmental family.

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-2011-516-V1-en	Drafting rule: PCR PEP ecopassport 2010: 1.0			
Authorisation number of checker: VH02	Programme information: www.pep-ecopassport.org			
Date of issue: 11-2011	Validity period: 4 years			
Independent verification of the declaration and data, in accordance Internal: $\mathbf{X}$ External:	with ISO 14025: 2006			
In accordance with ISO 14025: 2006 Type III environmental declaration	on			
The critical review of the PCR was conducted by a panel of experts	chaired by J.Chevalier CSTB			
The elements of the present PEP cannot be compared with element	ts from another programme			