Wiremold
60 Woodlawn Street
West Hartford, CT 06110

1.877.BY.LEGRAND (295.3472)
www.legrand.us

Product Environmental Profile

Wiremold Surface and Furniture Feed style Poke-Thru Devices

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 power, communications and audio video services to the open spaces via 2x 20A duplex power receptacles wiring accessories for 20 years.
Reference Product	
	Cat. No. RC4ATCBK
	RC4 Multi-Service Poke-Thru Device

PRODUCTS CONCERNED

The environmenal data is representative of the following products :

- RC4ATC, AV3ATC, RC3ATC, RC7ATC, RC9A15TC with all the color suffixes (AA, AB, AL, BK, BS, GY, VY)
- 4FFATC, RC7AFFTC, RC9AFFTC with all the color suffixes (AA, AB, AL, BK, BS, GY, VY)
- RC9AMDTC, RC9AM2TC, AMD8ATC with all the color suffixes (AA, AB, AL, BK, BS, GY, VY)

See page 5 for the extrapolation factors.

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/CE.

Total weight of Reference Product	**9.87 lbs** (with unit packaging)

Applies to RC4ATC, AV3ATC, RC3ATC, RC7ATC, RC9A15TC.

Plastics as % of weight		**Metals as % of weight**		**Other as % of weight**	
PVC	**4.2 %**	Steel	**21.5 %**	Intumescent Material	**7.6 %**
PC	**0.5 %**	Aluminum	**9.1 %**	Cables	**1.9 %**
PA	**0.3 %**	Zamak	**1.9 %**		
Other	**0.4 %**	Copper alloys	**1.1 %**		
		Other	**0.8 %**	**Packaging as % of weight**	
				Wood	**39.1 %**
				Paper	**11.2 %**
				PE	**0.3 %**
Total plastics	**5.5 %**	**Total metals**	**34.4 %**	**Total other and packaging**	**60.1 %**

Estimated recycled material content: 19 % by mass.

Applies to 4FFATC, RC7AFFTC, RC9AFFTC. (total weight : 9.98 lbs with unit packaging)

Plastics as % of weight		**Metals as % of weight**		**Other as % of weight**	
Other	**0.8 %**	Steel	**20.3 %**	Intumescent Material	**10.8 %**
		Aluminum	**10.6 %**	Cables	**0.1 %**
		Zamak	**6.1 %**		
		Copper alloys	**0.4 %**		
		Other	**0.3 %**	**Packaging as % of weight**	
				Wood	**39.1 %**
				Paper	**11.3 %**
				PE	**0.2 %**
Total plastics	**0.8 %**	**Total metals**	**37.7 %**	**Total other and packaging**	**61.5 %**

Estimated recycled material content: 19 % by mass.

Applies to RC9AMDTC, RC9AM2TC, AMD8ATC. (total weight : 7.30 lbs with unit packaging)

Plastics as % of weight		**Metals as % of weight**		**Other as % of weight**	
PVC	**2.9 %**	Steel	**13.8 %**	Intumescent Material	**5.1 %**
Other	**0.5 %**	Aluminum	**8.0 %**		
		Copper alloys	**0.4 %**		
		Other	**<0.1 %**		
				Packaging as % of weight	
				Wood	**53.1 %**
				Paper	**15.9 %**
				PE	**0.3 %**
Total plastics	**3.4 %**	**Total metals**	**22.1 %**	**Total other and packaging**	**74.4 %**

Estimated recycled material content: 19 % by mass.

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PEP ecopassport®

MANUFACTURE

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

DISTRIBUTION

Products are distributed from logistics centers located to optimize transport efficiency using EPA SmartWay® certified carriers to reduce greenhouse gases emissions. The Reference Product is therefore transported over an average distance of 2175 miles by truck from our warehouse to the local point of distribution into the market in North America.

INSTALLATION

For the installation of the product, the drilling of a hole was taken into account but the add of silicone not provided with the product wasn't taken into account according to the PSR 0003 page 5 paragraph 3.2.

USE

Servicing and maintenance :
Under normal conditions of use, this product requires no servicing or maintenance.

Consumables :
No consumables are necessary to use the Reference Product.

END OF LIFE

Development teams integrate product end-of-life factors in the design phase.

Hazardous waste* contained in the product: no hazardous waste
(*) Hazardous waste as defined by European Commission decision 2000/532/EC.

• **Recycling rate:** (RC4ATC, AV3ATC, RC3ATC, RC7ATC, RC9A15TC)
Calculated using the method described in the IEC/TR 62635 technical report, the recyclability rate of the product is estimated as 88.2 %. 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:

- metal materials (excluding packaging) : 34.4 %
- plastic materials (excluding packaging) : 4.8 %
- packaging (all types of materials) : 48.4 %
- others : 0.6 %

• **Recycling rate:** (4FFATC, RC7AFFTC, RC9AFFTC)
Calculated using the method described in the IEC/TR 62635 technical report, the recyclability rate of the product is estimated as 86.2 %. 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:

- metal materials (excluding packaging) : 37.7 %
- packaging (all types of materials) : 48.5 %

• **Recycling rate:** (RC9AMDTC, RC9AM2TC, AMD8ATC)
Calculated using the method described in the IEC/TR 62635 technical report, the recyclability rate of the product is estimated as 91.3 %. 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:

- metal materials (excluding packaging) : 22.2 %
- plastic materials (excluding packaging) : 2.8 %
- packaging (all types of materials) : 66.4 %

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ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end-of-life. IIt is representative from products marketed and used in North America.

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

Manufacture	Packaging taken into account. As required by the «PEP ecopassport» programme all transports for the manufacturing of the Reference Product, including materials and components, has been taken in account. The waste generated during manufacturing phase has been taken into account.
Distribution	Transport between the last Group distribution centre and an average delivery to the sales area
Installation	The end-of-life of the packaging is taken into account at this phase
Use	• Under normal conditions of use, this type of product requires no servicing or maintenance. • No consumables are necessary to use this type of product. • Product category: Cable Management, Pre-equipped service poles, service posts and multi-outlet extensions. • Use scenario : non-continuous operation for 20 years at 30% of rated load of the time.This modelling duration does not constitute a minimum durabilty requirement. • Energy model: Electricity Mix; United States - 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» and the indicators defined ine the PCR ed3 in alignment with the EN 15804 standard.

SELECTION OF ENVIRONMENTAL IMPACTS

	Total for Life cycle		**Raw material and manufacture**		**Distribution**		**Installation**		**Use**		**End of life**	
Global warming	**3.84E+01**	**kgCO2 eq.**	1.52E+01	**40%**	7.80E-01	**2%**	3.97E-01	**1%**	2.18E+01	**57%**	1.80E-01	**< 1%**
Ozone depletion	**3.79E-06**	**kgCFC-11 eq.**	3.38E-06	**89%**	1.58E-09	**< 1%**	5.45E-09	**< 1%**	3.96E-07	**10%**	2.70E-09	**< 1%**
Acidification of soils and water	**8.11E-02**	**kgSO2 eq.**	5.52E-02	**68%**	3.51E-03	**4%**	8.16E-04	**1%**	2.09E-02	**26%**	7.27E-04	**< 1%**
Water eutrophication	**1.44E-02**	**kg(PO4)3- eq.**	6.68E-03	**46%**	8.06E-04	**6%**	3.32E-04	**2%**	5.51E-03	**38%**	1.05E-03	**7%**
Photochemical ozone formation	**7.82E-03**	**kgC2H4 eq.**	4.09E-03	**52%**	2.49E-04	**3%**	8.15E-05	**1%**	3.35E-03	**43%**	5.54E-05	**< 1%**
Depletion of abiotic resources - elements	**1.97E-04**	**kgSb eq.**	1.97E-04	**100%**	3.12E-08	**< 1%**	7.66E-09	**< 1%**	2.15E-07	**< 1%**	9.36E-09	**< 1%**
Total use of primary energy	**7.62E+02**	**MJ**	4.51E+02	**59%**	1.05E+01	**1%**	5.32E+00	**< 1%**	2.94E+02	**39%**	2.04E+00	**< 1%**
Net use of fresh water	**1.48E-01**	**m3**	1.09E-01	**73%**	6.98E-05	**< 1%**	5.08E-04	**< 1%**	3.86E-02	**26%**	9.64E-05	**< 1%**
Depletion of abiotic resources - fossil fuels	**5.61E+02**	**MJ**	1.96E+02	**35%**	1.10E+01	**2%**	6.06E+00	**1%**	3.46E+02	**62%**	2.45E+00	**< 1%**
Water pollution	**2.84E+03**	**m3**	1.58E+03	**56%**	1.28E+02	**5%**	3.30E+01	**1%**	1.08E+03	**38%**	2.33E+01	**< 1%**
Air pollution	**4.41E+03**	**m3**	2.48E+03	**56%**	3.20E+01	**< 1%**	3.12E+01	**< 1%**	1.85E+03	**42%**	1.52E+01	**< 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.

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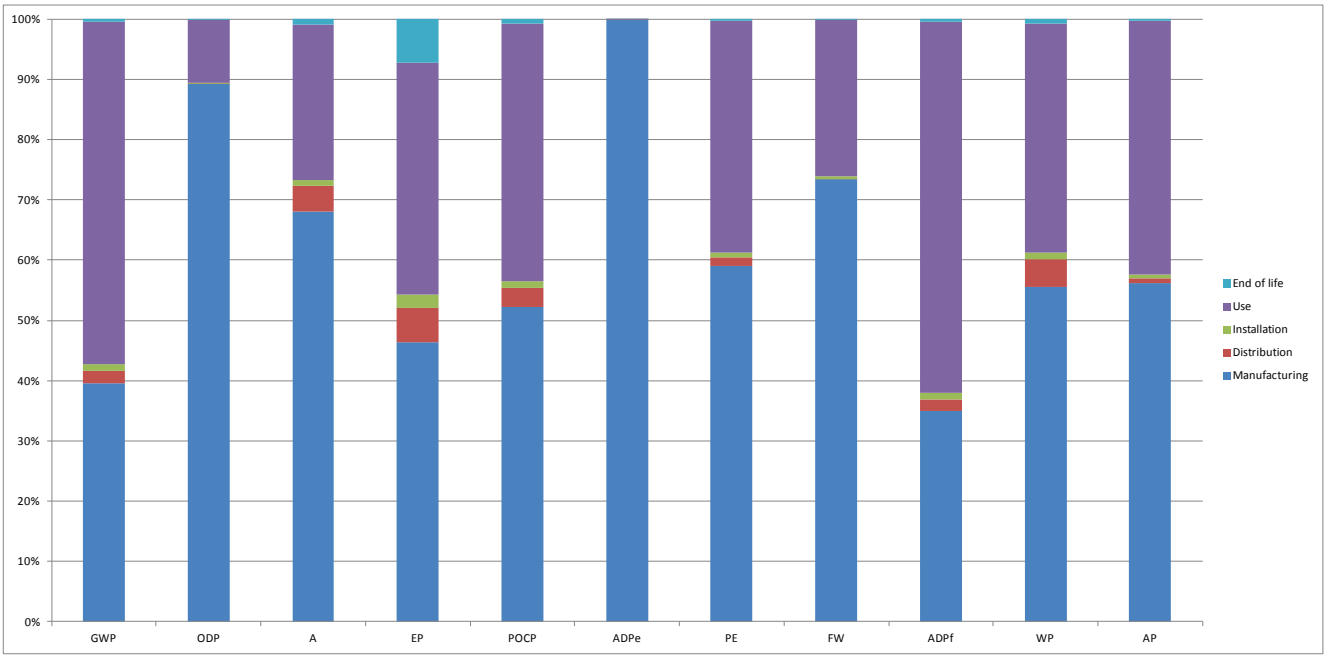
% ENVIRONMENTAL IMPACT PER LIFE CYCLE STAGE OF REFERENCE PRODUCT



For products covered by the PEP other than the Reference product, the environmental impacts of each phase of the lifecycle are calculated with :

	RC4ATC	AV3ATC	RC3ATC	RC7ATC	RC9A15TC	RC7AFFTC	RC9AFFTC	RC9AM2TC	AMD8ATC	RC9AMDTC	4FFATC
Manufacturing	1.0	1.1	0.9	0.8	0.9	1.0	2.9	0.7	0.8	0.6	1.5
Distribution	1.0	0.9						0.8			1.0
Installation	1.0	1.0									
Use	1.0	0.5			1.63	0.0					
End of life	1.0	0.8		0.7		0.8		0.5			0.9

Registration N°: LGRP-00304-V01.01-EN	Drafting rules: PEP-PCR-ed3-EN-2015 04 02 Supplemented by PSR-0003-ed1.1-EN-2015 10 16
Verifier accreditation N°: VH02	Information and reference documents : **www.pep-ecopassport.org**
Date of issue: 01-2017	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	