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 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 600x1000x2052 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.

**Reference Product**

![Image of Linkeo DC Cabinet](image-url)

Cat.No 446800
19" 42U server rack 2052x600x1000mm.

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:

**Catalogue Numbers**

- 446800;446801;446802;446803;446804;446805;446806;446807;446820;446821;446823;446824;446825;446826;446827
Product Environmental Profile

Linkeo DC Cabinet

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 780 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.

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 amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

Total weight of Reference Product: 115,900 g (all packaging included)

<table>
<thead>
<tr>
<th>Plastics as % of weight</th>
<th>Metals as % of weight</th>
<th>Other as % of weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA</td>
<td>0.2 %</td>
<td>Steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Copper alloys</td>
</tr>
<tr>
<td>Other plastics</td>
<td>0.03 %</td>
<td></td>
</tr>
</tbody>
</table>

Packaging as % of weight

|                           |                     |                     |
| Wood                     | 9.5 %                |                     |
| Paper                    | 1.9 %                |                     |

Total plastics 0.3 % Total metals 88.3 % Total others 11.4 %

Estimated recycled material content: 33 % by mass.
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) : 88 %
  - other materials (excluding packaging) : 0 %
  - packaging (all types of materials) : 11 %

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:

<table>
<thead>
<tr>
<th>Phase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacture</td>
<td>Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.</td>
</tr>
<tr>
<td>Distribution</td>
<td>Transport between the last Group distribution centre and an average delivery point in the sales area.</td>
</tr>
<tr>
<td>Installation</td>
<td>The end of life of the packaging.</td>
</tr>
</tbody>
</table>
| Use             | • 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                                           |
Product Environmental Profile
Linkeo DC Cabinet

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SELECTION OF ENVIRONMENTAL IMPACTS

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: 446800
19 inches complete server cabinet Linkeo Data Center 42U - 2052x600x1000mm

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

**Linkeo DC Cabinet**

<table>
<thead>
<tr>
<th>Registration number: LGRP-01457-V01.01-EN</th>
<th>Drafting rules: «PEP-PCR-ed3-EN-2015 04 02» Supplemented by PSR-0005-ed2.0-EN-2016 03 29</th>
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</thead>
<tbody>
<tr>
<td>Verifier accreditation N°: VH18</td>
<td>Information and reference documents: <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a></td>
</tr>
<tr>
<td>Date of issue: 11-2021</td>
<td>Validity period: 5 years</td>
</tr>
</tbody>
</table>

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**Independent verification of the declaration and data, in compliance with ISO 14025 : 2010**

- Internal [ ]
- External [x]

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»

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Environmental data in alignment with EN 15804: 2012 + A1 : 2013