

## BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

### 1 Basic data

|   |  |  |
|---|--|--|
| <b>Product identification</b>   |  | Document ID 00087135   |
| Product name<br>T-plus Cast Iron  | Product no/ID designation 90615,<br>90620, 90626, 90632, 90640,<br>90650, 90665, 90680               | Product group<br>T-plus  |
| <input checked="" type="checkbox"/> New declaration<br><input type="checkbox"/> Revised declaration | <b>In the case of a revised declaration</b>  |  |
|   | Has the product been changed?<br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes | The change relates to Trigger, Coating, Gasket, Click-In<br><br>Changed product can be identified by <i>Article number</i> |
| Drawn up/revised on (date) 01-05-2016   |  | Inspected without revision on (date) -   |
| Other information: -  |  |  |

### 2 Supplier information

|  |  |   |                               |
|--|--|---|-------------------------------|
| Company name Flamco B.V.                                     |  | Company reg. no/DUNS no -               |                               |
| Address P.O. Box 502<br>3750 GM Bunschoten – The Netherlands |  | Contact person                          |                               |
| Website: www.flamcogroup.com                                 |  | Telephone +31 33 299 18 00              |                               |
| Does the company have an environmental management system?    |  | E-mail info@flamcogroup.com             |                               |
|  |  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No   |
| The company possesses certification in compliance with       | <input checked="" type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000 | <input type="checkbox"/> Other          | If “other”, please specify: - |
| Other information: -   |  |   |                               |

### 3 Product information

|   |  |  |                             |
|---|--|--|-----------------------------|
| Country of final manufacture<br>The Netherlands                                   | If country cannot be stated, please state why -  |  |                             |
| Area of use Heating & Cooling installations                                       |  |  |                             |
| Is there a Safety Data Sheet for this product?                                    | <input checked="" type="checkbox"/> Not relevant   | <input type="checkbox"/> Yes                     | <input type="checkbox"/> No |
| In accordance with the regulations of the Swedish Chemicals Agency, please state: | Classification Labelling   | <input checked="" type="checkbox"/> Not relevant |                             |
| Is the product registered in BASTA?   | <input type="checkbox"/> Yes   | <input checked="" type="checkbox"/> No           |                             |
| Has the product been eco-labelled?  | <input checked="" type="checkbox"/> Criteria not found <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If “yes”, please specify: -                      |                             |
| Is there a Type III environmental declaration for the product?                    | <input type="checkbox"/> Yes   | <input checked="" type="checkbox"/> No           |                             |
| Other information: -  |  |  |                             |

### 4 Contents (To add a new green row, select and copy an entire empty row and paste it in)

| At the time of delivery, the product comprises the following parts/components, with the chemical composition stated: |                        |               |                          |                  |          |
|--|------------------------|---------------|--------------------------|------------------|----------|
| Constituent materials/ components  | Constituent substances | Weight % or g | EG no/ CAS no (or alloy) | Classifi- cation | Comments |
| Housing, Clamp   | EN-GJS-450.10          | 63%           |                          |                  |          |
| Cap, Firing Pin, Hammerpin   | 9SMnPb28               | 11%           |                          |                  |          |
| Plunjer  | 100Cr6                 | 10%           |                          |                  |          |

| Holder percussion cap   | CuZn39Pb3  | 0.06%         |                          |                |          |
|---|--|---------------|--------------------------|----------------|----------|
| 4x Bolts  | DIN912-8.8, zinc plated  | 7.2%          |                          |                |          |
| SDS Driving Charge Under CLP EC1272/2008  | Nitrocellulose >95, Diphenylamine <1,5, Centralite I < 0.5, Graphite < 2.5 | 0.04%         |                          |                |          |
| O-ring  | FKM, FPM, silicon  | 0.04%         |                          |                |          |
| Transport protector   | PVC  | 3%            |                          |                |          |
| Firing pin protector  | PC   | 0.07%         |                          |                |          |
| Spring  | CuSn6  | 0.07%         |                          |                |          |
| Trigger house   | PA6 30%GF  | 0.23%         |                          |                |          |
| Spring  | AISI 304   | 0.24%         |                          |                |          |
| Other information:  |  |               |                          |                |          |
| If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the <b>finished built in product</b> should be given here. If the content is unchanged, no data need be given in the following table. |  |               |                          |                |          |
| Constituent materials/ components   | Constituent substances   | Weight % or g | EG no/ CAS no (or alloy) | Classification | Comments |
|   |  |               |                          |                |          |
|   |  |               |                          |                |          |
| Other information: After use, the driving charge component, trigger house and spring are gone.  |  |               |                          |                |          |

## 5 Production phase

|  |  |  |  |
|--|--|--|--|
| <b>Resource utilisation and environmental impact during production of the item is reported in one of the following ways:</b>   |  |  |  |
| <input checked="" type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the <b>manufacturing unit</b> , and the outflows (emissions and residual products) from it, i.e. from “gate-to-gate”. |  |  |  |
| <input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. “cradle-to-gate”.  |  |  |  |
| <input type="checkbox"/> 3) Other limitation. State what:  |  |  |  |
| The report relates to unit of product  | <input checked="" type="checkbox"/> Reported product | <input type="checkbox"/> The product's product group | <input type="checkbox"/> The product's production unit |
| Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product  |  |  | <input type="checkbox"/> Not relevant                  |
| Raw material/intermediate goods  | Quantity and unit                                    | Comments   |  |
|  |  |  |  |
|  |  |  |  |
| Indicate <b>recycled materials</b> used in the manufacture of the product  |  |  | <input type="checkbox"/> Not relevant                  |
| Type of material   | Quantity and unit                                    | Comments   |  |
|  |  |  |  |
|  |  |  |  |
| Enter the <b>energy</b> used in the manufacture of the product or its component parts  |  |  | <input type="checkbox"/> Not relevant                  |
| Type of energy   | Quantity and unit                                    | Comments   |  |
| Electrical   |  |  |  |
| Compressed air   |  |  |  |
| Enter the <b>transportation</b> used in the manufacture of the product or its component parts  |  |  | <input type="checkbox"/> Not relevant                  |
| Type of transportation   | Proportion %   | Comments   |  |
|  |  |  |  |
|  |  |  |  |

*Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.*

|   |                              |                             |                           |                                       |          |
|---|------------------------------|-----------------------------|---------------------------|---------------------------------------|----------|
| Enter the <b>emissions to air, water or soil</b> from the manufacture of the product or its component parts |                              |                             |                           | <input type="checkbox"/> Not relevant |          |
| Type of emission  | Quantity and unit            |                             |                           | Comments                              |          |
|   |                              |                             |                           |                                       |          |
| Enter the <b>residual products</b> from the manufacture of the product or its component parts               |                              |                             |                           | <input type="checkbox"/> Not relevant |          |
| Residual product  | Waste code                   | Quantity                    | Proportion recycled       |                                       | Comments |
|   |                              |                             | Material recycled %       | Energy recycled %                     |          |
|   |                              |                             |                           |                                       |          |
|   |                              |                             |                           |                                       |          |
| Is there a description of the data accuracy for the manufacturing data?                                     | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If “yes”, please specify: |                                       |          |
| Other information:  |                              |                             |                           |                                       |          |

## 6 Distribution of finished product

|  |                                       |   |  |
|--|---------------------------------------|---|--|
| Does the supplier put into practice a system for returning load carriers for the product?      | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Does the supplier put into practice any systems involving multi-use packaging for the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |
| Does the supplier take back packaging for the product?   | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |
| Is the supplier affiliated to REPA?  | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |
| Other information:   |                                       |   |  |

## 7 Construction phase

|  |                                       |   |  |                               |
|--|---------------------------------------|---|--|-------------------------------|
| Are there any special requirements for the product during storage?                         | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | If “yes”, please specify: Dry |
| Are there any special requirements for adjacent building products because of this product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | If “yes”, please specify:     |
| Other information:   |                                       |   |  |                               |

## 8 Usage phase

|  |                                  |  |                                   |                                   |                                    |   |
|--|----------------------------------|--|-----------------------------------|-----------------------------------|------------------------------------|---|
| Does the product involve any special requirements for intermediate goods regarding operation and maintenance?          | <input type="checkbox"/> Yes     | <input checked="" type="checkbox"/> No | If “yes”, please specify:         |                                   |                                    |   |
| Does the product have any special energy supply requirements for operation?  | <input type="checkbox"/> Yes     | <input checked="" type="checkbox"/> No | If “yes”, please specify:         |                                   |                                    |   |
| Estimated technical service life for the product is to be entered according to one of the following options, a) or b): |                                  |  |                                   |                                   |                                    |   |
| a) Reference service life estimated as being approx.   | <input type="checkbox"/> 5 years | <input type="checkbox"/> 10 years      | <input type="checkbox"/> 15 years | <input type="checkbox"/> 25 years | <input type="checkbox"/> >50 years | Comments: No service needed, just regular visual inspection |
| b) Reference service life estimated to be in the interval of   | years                            |  |                                   |                                   |                                    |   |
| Other information:   |                                  |  |                                   |                                   |                                    |   |

## 9 Demolition

|  |  |   |                             |                           |
|--|--|---|-----------------------------|---------------------------|
| Is the product ready for disassembly (taking apart)?   | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input type="checkbox"/> No | If “yes”, please specify: |
| Does the product require any special measures to protect health and environment during demolition/disassembly? | <input type="checkbox"/> Not relevant            | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | If “yes”, please specify: |
| Other information: Protection of eyes and skin   |  |   |                             |                           |

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## 10 Waste management

|   |  |   |  |                              |  |
|---|--|---|--|------------------------------|--|
| Is it possible to re-use all or parts of the product?   | <input type="checkbox"/> Not relevant            | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | If "yes", please specify:    |  |
| Is it possible to recycle materials for all or parts of the product?  | <input type="checkbox"/> Not relevant            | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | If "yes", please specify:    |  |
| Is it possible to recycle energy for all or parts of the product?   | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | If "yes", please specify:    |  |
| Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?  | <input type="checkbox"/> Not relevant            | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | If "yes", please specify:    |  |
| Enter the waste code for the <b>supplied</b> product  |  |   |  |                              |  |
| Is the <b>supplied</b> product classed as hazardous waste?  |  |   |  | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished <b>built in</b> product, then this should be entered here. If it is unchanged, the following details can be omitted. |  |   |  |                              |  |
| Enter the waste code for the <b>built in</b> product  |  |   |  |                              |  |
| Is the <b>built in</b> product classed as hazardous waste?  |  |   |  | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Other information:  |  |   |  |                              |  |

## 11 Indoor environment (To add a new green row, select and copy an entire empty row and paste it in)

| When used as intended, the product gives off the following emissions: |   | <input checked="" type="checkbox"/> The product does not have any emissions |  |                              |  |
|---|---|---|--|------------------------------|--|
| Type of emission  | Quantity [ $\mu\text{g}/\text{m}^2\text{h}$ ] or [ $\text{mg}/\text{m}^3\text{h}$ ] |   | Method of measurement                            | Comments                     |  |
|   | 4 weeks   | 26 weeks  |  |                              |  |
|   |   |   |  |                              |  |
|   |   |   |  |                              |  |
|   |   |   |  |                              |  |
|   |   |   |  |                              |  |
| Can the product itself give rise to any noise?                        |   |   | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value   |   | Unit  | Method of measurement                            |                              |  |
| Can the product give rise to electrical fields?                       |   |   | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value   |   | Unit  | Method of measurement                            |                              |  |
| Can the product give rise to magnetic fields?                         |   |   | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value   |   | Unit  | Method of measurement                            |                              |  |
| Other information:  |   |   |  |                              |  |

## References

## Appendices