

Certificate no: **MTS/1057-1**

**PVCu beads for rendering, plastering and dry lining applications**

**Renderplas**



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**Test Information**

**Period of analysis**

From 01 January 2006 to 31 December 2007

**Data**

Information collected from Renderplas Ltd including invoices and production records from production facilities. LCA and EIA of product obtained from trade associations and published researches. Data to cover production of year ending 31-Dec-2006 and 31-Dec-2007.

**Methods used**

LCA / environmental profile methods prescribed by the BRE (1999 and 2000)  
 Eco points calculated as per BRE publication of 2001

**Allocation**

99% of primary materials assessed by mass

**Boundaries**

Cradle to grave

**Comments**

Over 98% of materials

**Life Cycle**

In excess of 60 years recommended life span for residential buildings in the UK

**ENVIRONMENTAL PROFILE**

Based on BRE methodologies for Environmental Profiles (1999) and Ecopoints (2001)

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**Characterised data**

Issues	Per kg installed	Units
Climate Change	0.74	Kg CO <sub>2</sub> eq. (100yr)
Acid Deposition	0.01	Kg SO <sub>2</sub> eq.
Ozone Depletion	0.00	Kg CFC <sub>11</sub> eq.
<i>Pollution to Air:</i>		
Human toxicity	0.01	Kg tox
Low level ozone creation	0.00	Kg ethane eq. (POCP)
Fossil Fuel Depletion and extraction	0.00	Tonnes eq.
<i>Pollution to Water</i>		
Human toxicity	0.00	Kg tox
Ecotoxicity	0.00	m <sup>3</sup> tox
Eutrophication	0.00	Kg PO <sub>4</sub> eq.
Minerals extractions	0.00	Tonnes
Water Extraction	1.07	Litres
Waste disposal	0.00	Tonnes

**Normalised data**

Issues	Per kg installed	Units
Climate Change	0.0001	Kg CO <sub>2</sub> eq. (100yr)
Acid Deposition	0.0001	Kg SO <sub>2</sub> eq.
Ozone Depletion	0.0000	Kg CFC <sub>11</sub> eq.
<i>Pollution to Air:</i>		
Human toxicity	0.0001	Kg tox
Low level ozone creation	0.0000	Kg ethane eq. (POCP)
Fossil Fuel Depletion and extraction	0.0000	Tonnes eq.
<i>Pollution to Water</i>		
Human toxicity	0.0000	Kg tox
Ecotoxicity	0.0000	m <sup>3</sup> tox
Eutrophication	0.0000	Kg PO <sub>4</sub> eq.
Minerals extractions	0.0000	Tonnes
Water Extraction	0.0000	Litres
Waste disposal	0.0000	Tonnes

**Notes on GREEN GUIDE rating**

In the case of Renderplas Ltd products, the BRE's Green Guide to Specifications (fourth edition) does not directly cover the rendering or its components on exterior and interior walls. Considering the low impacts and Ecopoint scores achieved by Renderplas Ltd, the use of its products should not adversely affect the scores of complete walls systems. Taken separately and in view of the processes and impacts, Renderplas Ltd products could reach A or A+ in a comparative scale that would include the results of its competitors, mainly due to the use of recycled PVC which represents 98% of the product weight.

**ECO POINTS**

**0.004**

Prepared by: **Robert Vandewinkel**

Position: **Head of Sustainability**

Signed:

Date: **15<sup>th</sup> June 2010**

The Profile is based on data provided by manufacturers for the stated period. MTECH CONSULT LTD has no responsibility for the environmental performance of the product. Profiles may only be distributed in their entirety and in accordance with the terms and conditions of any contract.