


Environmental Product Declaration for Sidings

GENERAL INFORMATION

Company information	<p>Etex Group Tervurenlaan 361 1150 Bruxelles</p> <p>Plant: N.V. ETERNIT Kuiermansstraat, 1 1880 Kapelle-op-den-Bos</p> <p>Logo</p>
Subject	Sidings cladding panel
Code / number declaration	To be completed
Date of issue	To be completed
Unit	<p>To cover 1 m² of wall during the reference service life (60 years).</p> <p>If the building where the Sidings boards are placed is scheduled to last 60 + X years, one must multiply the EPD results by 1+ X/60 to take into account the replacement.</p> <p>Number of units needed to cover 1 m² of wall : 1.74</p>
Part of the unit	<p>Reference flow: 19.49 kg of Sidings</p> <p>It is assumed that there is no loss during the construction phase or replacement during the life in use phase.</p>
Description of the product	<div style="text-align: center;">  </div> <p>The dimensions of one unit are: 3,6 m x 0,19 m x 0,01 m</p> <p>Weight: 11,2 kg/unit</p> <p>In order to cover 1 m² of wall, Sidings board are fixed using stainless steel nails (15 g per 1 m²).</p>

ENVIRONMENTAL PROFILE

Theme	Unit	Total	Production	Transport	Construction	Use/ Operation	Use/ Maintenance	End of life
<i>Abiotic depletion</i>	kg antimony eq.	7.4E-02	6.6E-02	1.1E-03	5.4E-03	0.0E+00	0.0E+00	7.3E-04
<i>Global warming</i>	kg CO ₂ eq.	1.3E+01	1.2E+01	1.8E-01	4.5E-01	0.0E+00	0.0E+00	1.2E-01
<i>Depletion of the ozone layer</i>	kg CFC-11 eq.	9.6E-07	7.5E-07	1.3E-07	1.3E-08	0.0E+00	0.0E+00	7.7E-08
<i>Human ecotoxicity</i>	kg 1,4 dichlorobenzen e eq.	1.6E+00	1.3E+00	3.6E-02	1.6E-01	0.0E+00	0.0E+00	2.2E-02
<i>Ecotoxicity aquatic¹</i>	kg 1,4 dichlorobenzen e eq.	6.8E+02	6.1E+02	1.5E+01	3.5E+01	0.0E+00	0.0E+00	1.2E+01
<i>Ecotoxicity terrestrial</i>	kg 1,4 dichlorobenzen e eq.	2.6E-02	1.9E-02	2.0E-04	7.4E-03	0.0E+00	0.0E+00	1.1E-04
<i>Smog</i>	kg 1,4 dichlorobenzen e eq.	9.0E-03	7.3E-03	5.8E-04	6.4E-04	0.0E+00	0.0E+00	4.0E-04
<i>Acidification</i>	kg SO ₂ eq.	3.6E-02	3.1E-02	1.1E-03	3.1E-03	0.0E+00	0.0E+00	7.3E-04
<i>Eutrophication</i>	kg PO ₄ ⁻	4.6E-03	3.9E-03	2.7E-04	2.6E-04	0.0E+00	0.0E+00	1.6E-04

ENVIRONMENTAL MEASURES

Theme	Unit	Total	Production	Transport	Construction	Use/ Operation	Use/ Maintenance	End of life
<i>Resources</i>	Year ⁻¹	5.0E-12	4.5E-12	7.4E-14	3.6E-13	0.0E+00	0.0E+00	4.9E-14
<i>Energy</i>	MJ	2.3E+02	2.0E+02	2.3E+00	2.4E+01	0.0E+00	0.0E+00	1.5E+00
<i>Emissions</i>	Year ⁻¹	8.9E-11	7.8E-08	2.7E-09	6.5E-09	0.0E+00	0.0E+00	1.7E-09
<i>Non hazardous waste</i>	kg	3.5E+00	3.5E+00	3.4E-04	3.9E-02	0.0E+00	0.0E+00	1.4E-03
<i>Hazardous waste</i>	kg	2.3E-03	2.0E-03	5.3E-05	3.0E-04	0.0E+00	0.0E+00	3.5E-05

¹ Aggregation between fresh water and marine

Representative for	N.V. Eternit Belgium 2004 data
Life cycle phases	All the life cycle phases are included: - Production, transport, construction, use and maintenance, demolition and end of life. The product is considered as being 99% recycled and 1% landfilled.
Other life cycle phases and necessary materials and processes	All life cycle steps are included.
References	This declaration has been prepared according to the NEN 8006:2004 standard. A methodology report is available upon request from the Etex Group Environmental Department. A Product Category Rules (PCR) is currently being drafted.
Peer review	This EPD has been peer reviewed by : J.P.R. Meijer MSc INTRON B.V.
Other company information	Company that carried out the study: ECOBILAN S.A. PricewaterhouseCoopers 63, rue de Villiers 92 208 Neuilly sur Seine Cedex, France.