



Environmental Product Declaration

according to ISO 14025



EGGER
Laminate Flooring

Declaration number
EPD-EHW-2008211-E

Institut Bauen und Umwelt e.V.
www.bau-umwelt.com




Institut Bauen
und Umwelt e.V.

	<p align="center">Summary Umwelt- Produktdeklaration <i>Environmental Product-Declaration</i></p>
<p>Institut Bauen und Umwelt e.V. www.bau-umwelt.com</p> 	<p align="right">Program holder</p>
<p>EGGER Floor Products GmbH Am Haffeld 1 D – 23970 Wismar</p> 	<p align="right">Declaration holder</p>
<p>EPD-EHW-2008211-E</p>	<p align="right">Declaration number</p>
<p>Egger Floor Products laminate flooring – class of application 31, 32 and 33 (AC3 through AC5)</p> <p>This declaration is an environmental product declaration according to ISO 14025 and describes the environmental rating of the building products listed herein. It is intended to further the development of environmentally compatible and sustainable construction methods. All relevant environmental data is disclosed in this validated declaration. The declaration is based on the PCR document "Wood-based materials", year 2007.</p>	<p align="right">Declared building products</p>
<p>This validated declaration authorises the holder to bear the official stamp of the Institut Bauen und Umwelt. It only applies to the listed products for one year from the date of issue. The declaration holder is liable for the information and evidence on which the declaration is based.</p>	<p align="right">Validity</p>
<p>The declaration is complete and contains in its full form:</p> <ul style="list-style-type: none"> - Product definition and physical building-related data - details of raw materials and material origin - description of how the product is manufactured - instructions on how to process the product - data on usage condition, unusual effects and end of life phase - life cycle analysis results - evidence and tests 	<p align="right">Content of the declaration</p>
<p>9. April 2011</p>	<p align="right">Date of issue</p>
<div style="border: 1px solid black; padding: 5px;">  </div> <p>Prof. Dr.-Ing. Horst J. Bossenmayer (President of the Institut Bauen und Umwelt)</p>	<p align="right">Signatures</p>
<p>This declaration and the rules on which it is based have been examined by an independent expert committee (SVA) in accordance with ISO 14025.</p>	<p align="right">Verification of the declaration</p>
<div style="border: 1px solid black; padding: 5px;">  </div> <p>Prof. Dr.-Ing. Hans-Wolf Reinhardt (chairman of the expert committee)</p>	<div style="border: 1px solid black; padding: 5px;">  </div> <p>Dr. Frank Werner (tester appointed by the expert committee)</p> <p align="right">Signatures</p>



**Summary
Umwelt-
Produktdeklaration
*Environmental
Product-Declaration***

<p>The listed products are decorative hard surface flooring elements according to EN 13329 with a highly abrasion-resistant surface, which are installed as floating floor without glue using a click connection. The decorative design is achieved through the use of printed decorative paper. Corundum is added to the uppermost layer in order to achieve a highly abrasion-resistant surface.</p>	Product description																																													
<p>The applications for the declared laminate flooring are: Interior areas; laid as floating floor either on concrete or other existing subfloor such as wood, tile, PVC, etc. A skilled end user can install the flooring themselves. Due to the low panel thickness the flooring can also be used for renovating.</p>	Application																																													
<p>The Life Cycle Assessment (LCA) was performed according to DIN ISO 14040 following the requirements of the Institut Bauen und Umwelt guideline for type III declarations. Both specific data from the reviewed products and data from the "GaBi 4" database were used. The life cycle assessment encompasses the raw material and energy production, raw material transport, the actual manufacturing phase and the end of life as waste incineration with energy recovery. The laminate flooring product mix was declared.</p>	Scope of the LCA																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #333; color: white;"> <th colspan="5" style="text-align: center;">Laminate Flooring</th> </tr> <tr style="background-color: #ccc;"> <th style="text-align: left;">Evaluation variable</th> <th style="text-align: center;">Unit per m²</th> <th style="text-align: center;">Total</th> <th style="text-align: center;">Manufacturing</th> <th style="text-align: center;">End of Life</th> </tr> </thead> <tbody> <tr> <td>Primary energy, non renewable</td> <td style="text-align: center;">[MJ]</td> <td style="text-align: center;">67.8</td> <td style="text-align: center;">125.2</td> <td style="text-align: center;">-57.3</td> </tr> <tr> <td>Primary energy, renewable</td> <td style="text-align: center;">[MJ]</td> <td style="text-align: center;">119.9</td> <td style="text-align: center;">120.8</td> <td style="text-align: center;">-0.94</td> </tr> <tr> <td>Global warming potential (GWP 100 years)</td> <td style="text-align: center;">[kg CO₂ eqv.]</td> <td style="text-align: center;">3.05</td> <td style="text-align: center;">-3.09</td> <td style="text-align: center;">6.14</td> </tr> <tr> <td>Ozone depletion potential (ODP)</td> <td style="text-align: center;">[kg R11 eqv.]</td> <td style="text-align: center;">2.58E-07</td> <td style="text-align: center;">4.55E-07</td> <td style="text-align: center;">-1.97E-07</td> </tr> <tr> <td>Acidification potential (AP)</td> <td style="text-align: center;">[kg SO₂ eqv.]</td> <td style="text-align: center;">0.037</td> <td style="text-align: center;">0.022</td> <td style="text-align: center;">0.015</td> </tr> <tr> <td>Eutrophication potential (EP)</td> <td style="text-align: center;">[kg Phosphate eqv.]</td> <td style="text-align: center;">0.0095</td> <td style="text-align: center;">0.0063</td> <td style="text-align: center;">0.0032</td> </tr> <tr> <td>Photochemical oxidant formation potential (POCP)</td> <td style="text-align: center;">[kg Ethylene eqv.]</td> <td style="text-align: center;">0.00857</td> <td style="text-align: center;">0.00810</td> <td style="text-align: center;">0.00045</td> </tr> </tbody> </table>	Laminate Flooring					Evaluation variable	Unit per m ²	Total	Manufacturing	End of Life	Primary energy, non renewable	[MJ]	67.8	125.2	-57.3	Primary energy, renewable	[MJ]	119.9	120.8	-0.94	Global warming potential (GWP 100 years)	[kg CO ₂ eqv.]	3.05	-3.09	6.14	Ozone depletion potential (ODP)	[kg R11 eqv.]	2.58E-07	4.55E-07	-1.97E-07	Acidification potential (AP)	[kg SO ₂ eqv.]	0.037	0.022	0.015	Eutrophication potential (EP)	[kg Phosphate eqv.]	0.0095	0.0063	0.0032	Photochemical oxidant formation potential (POCP)	[kg Ethylene eqv.]	0.00857	0.00810	0.00045	Results of the LCA
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<p>Prepared by: PE INTERNATIONAL, Leinfelden-Echterdingen in cooperation with EGGGER Floor Products GmbH</p> <div style="text-align: right;">  <p>PE INTERNATIONAL EXPERTS IN SUSTAINABILITY</p> </div>																																														
<p>In addition, the results of the following tests are shown in the environmental product declaration:</p> <ul style="list-style-type: none"> • VOC emissions according to AgBB (German operational fire protection working committee) method Testing institute: WKI Fraunhofer Wilhelm-Klauditz-Institut • Formaldehyde: Testing institute: WKI Fraunhofer Wilhelm-Klauditz-Institut • Toxicity of the fire gases: Testing institute: MFPA Leipzig GmbH • PCP / lindane Testing institute: WKI Fraunhofer Wilhelm-Klauditz-Institut • EOX (extractable organic halogen compounds) Testing institute: MFPA Leipzig GmbH • Eluate analysis according to DIN 38406-4 Testing institute: MFPA Leipzig GmbH 	Evidence and verifications																																													



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In the case of a doubt is the original EPD “EPD-EHW-2008211-D”
applicable.