



Environmental Product Declaration

according to ISO 14025



Declaration number
EPD-EHW-2008221-E

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

EGGER
Direct Print (DPR)[®]
Laminate flooring



Institut Bauen
und Umwelt e.V.

	<p style="text-align: center;">Summary Umwelt- Produktdeklaration <i>Environmental</i> <i>Product-Declaration</i></p>	
<p>Institut Bauen und Umwelt e.V. www.bau-umwelt.com</p> 	<p style="text-align: center;">Program holder</p>	
<p>EGGER Floor Products GmbH Im Kissen 19 D – 59929 Brilon</p> 	<p style="text-align: center;">Declaration holder</p>	
<p>EPD-EHW-2008221-E</p>	<p style="text-align: center;">Declaration number</p>	
<p>Egger Floor Products Direct Print Flooring - DPR®</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 amended", year 2007.</p>	<p style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">Content of the declaration</p>	
<p>9. April 2011</p>	<p style="text-align: center;">Date of issue</p>	
<div style="display: flex;"> <div style="flex: 1;">  </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> <p style="font-size: small;">Prof. Dr.-Ing. Horst J. Bossenmayer (President of the Institut Bauen und Umwelt)</p> </div> </div>	<p style="text-align: center;">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 style="text-align: center;">Verification of the declaration</p>
<div style="display: flex;"> <div style="flex: 1;">  </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> <p style="font-size: small;">Prof. Dr.-Ing. Hans-Wolf Reinhardt (chairman of the expert committee)</p> </div> </div>	<div style="display: flex;"> <div style="flex: 1;">  </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> <p style="font-size: small;">Dr. Frank Werner (tester appointed by the expert committee)</p> </div> </div>	<p style="text-align: center;">Signatures</p>



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

Product description
Direct print flooring is made from decorative hard surface flooring elements with a highly abrasion-resistant surface, which are installed as floating floor without glue using a click connection and are described as laminate flooring according to EN 15468. The decorative design is printed directly onto the primed coreboard using a pressure cylinder. Corundum is added to the uppermost layer in order to achieve a highly abrasion-resistant surface.

Application
The applications for the declared direct print 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.

Scope of the LCA
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 direct print laminate flooring product mix is declared.

Direct print laminate flooring

Evaluation variable	Unit per m ²	Total	Manufacturing	End of Life
Primary energy, non renewable	[MJ]	46.0	104	-57.8
Primary energy, renewable	[MJ]	130	131	-0.94
Global warming potential (GWP 100 years)	[kg CO ₂ eqv.]	0.67	-5.40	6.06
Ozone depletion potential (ODP)	[kg R11 eqv.]	2.47E-07	4.45E-07	-1.98E-07
Acidification potential (AP)	[kg SO ₂ eqv.]	0.036	0.022	0.014
Eutrophication potential (EP)	[kg Phosphate eqv.]	0.0084	0.0054	0.0030
Photochemical oxidant formation potential (POCP)	[kg Ethylene eqv.]	0.0086	0.0082	0.00042

Results of the LCA

Prepared by: PE INTERNATIONAL, Leinfelden-Echterdingen,
in cooperation with EGGER Floor Products GmbH, Brilon



Evidence and verifications
In addition, the results of the following tests are shown in the environmental product declaration:

- VOC emissions according to AgBB (German operational fire protection working committee) method
Testing institute: eph Entwicklungs- und Prüflabor Holztechnologie GmbH Dresden
- 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



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In the case of a doubt is the original EPD “EPD-EHW-2008221-D”
applicable.