



Environmental Product Declaration

according to ISO 14025



Needed floor covering

- Homogeneous flat needle felt
- Fibrous web: Polypropylen, admixture of polyamide 6
- Binder: latex



Gemeinschaft umweltfreundlicher Teppichboden e.V.

Declaration number
EPD-GUT-2010611-E

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



Institut Bauen
und Umwelt e.V.



**Short version
Umwelt-
Produktdeklaration
Environmental
Product Declaration**

<p>Institut Bauen und Umwelt e.V. www.bau-umwelt.com</p>		<p style="text-align: center;">Program operator</p>
<p>Gemeinschaft umweltfreundlicher Teppichboden (GUT) e.V. Schönebergstr. 2; 52068 Aachen; mail@gut-ev.de www.gut-ev.org</p>		<p style="text-align: center;">Declaration holder</p>
<p>EPD-GUT-2010611-E</p>		<p style="text-align: center;">Declaration number</p>
<p>Homogeneous needled floor covering according to EN 1470, type 1, fibrous web of polypropylene (PP) with an admixture of polyamide 6 (PA 6), latex-binder flame-proofed on the basis of aluminium hydroxide.</p> <p>This declaration is an Environmental Product Declaration according to /ISO 14025/ and describes the environmental performance of the floor coverings indicated herein. It is designed to foster the development of ecological and healthy building. In this validated declaration, all relevant environmental data are disclosed. The declaration is based on the PCR document "Floor coverings", year 2008-01.</p>		<p style="text-align: center;">Declared building product</p>
<p>This validated declaration authorises the use of the official stamp of the Institut Bauen und Umwelt (IBU). It is valid for a period of three years from the date of issue exclusively for the product group indicated and only in conjunction with a valid PRODIS licence. The contents and validity of the licence may be checked online via www.pro-dis.info. The owner of the declaration shall be liable for the underlying information and verifications.</p>		<p style="text-align: center;">Validity</p>
<p>The declaration is complete and furnishes details of:</p> <ul style="list-style-type: none"> - the product definition and relevant building-physics-related information - the raw materials and origin of the raw materials - the descriptions of the product manufacture - the information on product processing - the information on the use stage, extraordinary influences and end-of-life stage - the results of the life cycle assessment 		<p style="text-align: center;">Contents of the declaration</p>
<p>30 April 2010</p>		<p style="text-align: center;">Date of issue</p>
		<p style="text-align: center;">Signatures</p>
<p>Prof. Dr.-Ing. Horst J. Bossenmayer (President of Institut Bauen und Umwelt)</p>		
<p>This declaration and the rules on which it is based have been examined in accordance with ISO 14025 by the independent Committee of Experts (CoE).</p>		<p style="text-align: center;">Examination of the declaration</p>
		<p style="text-align: center;">Signatures</p>
<p>Prof. Dr.-Ing. Hans-Wolf Reinhardt (Chairman of the CoE)</p>		<p style="text-align: center;">Dr. Eva Schmincke (CoE-appointed Examiner)</p>



**Short version
Umwelt-
Produktdeklaration
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<p>The declaration covers a group of textile floor coverings having the following features: Kind of manufacture: Needled, homogeneous product as roll goods Fibrous web: Polypropylen (PP) with up to 30 % polamide 6 (PA 6). Binder: Latex based on styrene/butadiene- or styrene/acrylate copolymers, flame-proofed on the basis of aluminium hydroxide.</p> <p>EN 1470 defines homogeneous flat needle felt (one visible layer) as type 1, luxury class 1. Subject to the total weight the textile needed floor covering is classified in use classes according to table 1. For the results of the LCA use class 33 is divided into 2 categories (A, B) and limited to 1300 g/m².</p> <p>Tabelle 1: Use classes</p> <table border="1"> <thead> <tr> <th rowspan="2">Use class</th> <th rowspan="2">21</th> <th rowspan="2">22, 22+, 31</th> <th rowspan="2">23, 32</th> <th colspan="2">33</th> </tr> <tr> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>Total weight [g/m²]</td> <td>–</td> <td>≥ 500</td> <td>≥700</td> <td>≥ 850</td> <td>≥ 1100 < 1300</td> </tr> </tbody> </table>							Use class	21	22, 22+, 31	23, 32	33		A	B	Total weight [g/m ²]	–	≥ 500	≥700	≥ 850	≥ 1100 < 1300	Product description																																																																																																					
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<p>As indicated on the PRODIS label, the textile needed floor covering may be used either in the residential or in the commercial area. Suitability for additional uses is also indicated on the PRODIS label.</p>							Range of application																																																																																																																			
<p>The Life Cycle Assessment (LCA) was carried out according to ISO 14040 seq. following the requirements of the IBU guideline for type III declarations. The data reference consisted of specific data provided by GUT member companies and of data from the “GaBi 4” database.</p> <p>The life cycle assessment covers</p> <ul style="list-style-type: none"> – Part 1: Production stage including the supply chains (from cradle to factory gate) – Part 2: Delivery/installation, use – Part 3: End-of-life stage 							Scope of the life cycle assessment																																																																																																																			
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<p>The results are based on original data from manufacturers and on the life cycle assessment for textile floor coverings conducted by Gemeinschaft umweltfreundlicher Teppichboden (GUT) e.V., Aachen, Germany in cooperation with: Textile and Flooring Institut GmbH, Aachen, Germany critically reviewed by: Prof. Dr. Walter Klöpffer, Int. Journal of Life Cycle Assessment, LCA CONSULT & REVIEW, Frankfurt a.M., Germany Dipl. Natw. ETH Roland Hischier, Head of unit LCA, EMPA, St Gallen, Switzerland.</p>							Verifications and tests																																																																																																																			
<p>In addition, the following tests are represented in the environmental declaration:</p> <p>VOC emissions GUT product testing criteria based AgBB scheme for the evaluation of emissions from building products,</p> <p>Tests for contaminants GUT product testing criteria</p>							Verifications and tests																																																																																																																			



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In a case of doubt is the original EPD „EPD-GUT-2010611-D“ applicable.