

## Environmental Product Declaration



**EGGER Laminates** Flex, MED, Micro

**Declaration number** EPD-EHW-2010711-D

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



		<b>Brief Version</b>
		Environmental
		<b>Product Declaration</b>
Institut Bauen und Umwelt	e.V.	Programme holder
www.bau-umwelt.com		
www.baa-aniweic.com		
Fritz EGGER GmbH & Co. OG		Deelenstien kelden
Company Headquarters		Declaration holder
Weiberndorf 20	E EGGER	
A – 6380 St. Johann in Tirol		
EPD-EHW-2010711-E		Declaration number
EGGER laminates Flex, MED and Micro f	Declared building products	
This declaration is an environmental product declara-		bediated ballaning products
the environmental performance of the construction p development of environmentally and health-friendly	•	
All relevant environmental data are disclosed in this	validated declaration.	
The declaration is based on the PCR document "Lan	minates", base year 2009.	
This validated document entitles the declaration hold	der to use the logo of the Institut Bauen und Um-	Validity
welt e.V. (Institute Construction and Environment). It is valid exclusively for the declared products for a	period of three years from the issue date	ŕ
The declaration holder guarantees the accuracy of the		
This <b>declaration</b> is complete and contains the follow	ving in detailed form:	Content of the declaration
- Product definition and structural-physical spec	cifications	Content of the declaration
<ul> <li>Information on base materials and material or</li> <li>Description of the product production process</li> </ul>	ŭ .	
- Information on product processing		
<ul> <li>Information on the state of use, unusual influe</li> <li>Life cycle assessment results</li> </ul>	ences and the post-usage phase	
- Certificates and tests		
		Date of issue
		Signatures
		Olgilatures
Prof. DrIng. Horst J. Bossenmayer (President, Institut Bauen und Umwelt e.V. (Institute Construction and Envi-		
ronment)		
This declaration and the underlying rules were verific	ed by an independent expert committee in accor-	Verification of the declara-
dance with ISO 14025.		tion
		Signatures
		-
Prof. DrIng. Hans-Wolf Reinhardt (Chairman of the Expert	Dr. Frank Werner (Auditor appointed by the Expert	
Committee)	Committee)	

						Brief Version
						Environmental
						Product-
						Declaration
						Dooraration
The EGGER laminates Flex, MED and Micro are decorative laminates based on curable resins (laminates). Laminates consist of cellulose fibre web (paper) impregnated with heat-setting resins.  They have a multilayer structure and consist of melamine resin impregnated decorative paper and one or more layers of soda kraft paper impregnated with phenolic resins, which are laminated under high pressure and heat. The laminate structure, resin and paper quality, surface texture, use of special overlays and the press parameters during production determine the laminate quality and therefore the subsequent use or area of application.						Product description
EGGER laminates Flex, MED and Micro are suitable for a large range of applications as joining elements in						Area of application
combination with wood-based materials or other coreboards.  Flex example: Kitchen worktops, post-forming fronts, stair treads.						Area or application
MED example: Laminate bonded boards	•		irfaces and (	docke		
Micro example: Door leaves, door fillings	•	•			nards	
The Life Cycle Assessment (LCA) was ments of the IBU guidelines for type III do as data from the "GaBi 4" database were esses for obtaining raw materials and en including the production and disposal of energy recovery. One square meter each	eclarations. Spece used in the asset ergy, the transportance packaging as we	cific data to essment. ortation of the estination of the estinatio	or the produ The life cyclor raw materia and of life in	cts that were e assessments, the product a biomass p	e examined as well nt includes the proc- uction phase itself ower plant with	Scope of the LCA
Evaluated Parameter	Unit Per m²	Total	Production	End of Life		Results of the LCA
	ex [per m²]	25 024	40.024	42.242		
Primary energy, non-renewable Primary energy, renewable	[MJ]	35.821 12.839	48.034 12.982	-12.213 -0.143	-	
Greenhouse warming potential (GWP 100 years)	[kg CO2-Equiv.]	2.102	1.784	0.319		
Ozone depletion potential (ODP)	[kg R11-Equiv.]	7.75E-08	1.08E-07	-3.01E-08		
Acidification potential (AP)	[kg SO2-Equiv.]	6.93E-03	5.69E-03	1.24E-03		
Eutrophication potential (EP)	[kg PO4-Equiv.]	1.39E-03	1.35E-03	4.14E-05		
	[kg Ethylene-Equiv.]	1.07E-03	1.06E-03	1.39E-05		
	ED [per m²]	40.000	04.057	-18.331		
Primary energy, non-renewable Primary energy, renewable	[MJ] [MJ]	43.626 18.192	61.957 18.406	-0.214		
Greenhouse warming potential (GWP 100 years)	[kg CO2-Equiv.]	2.588	2.118	0.470	-	
Ozone depletion potential (ODP)	[kg R11-Equiv.]	9.51E-08	1.40E-07	-4.50E-08	-	
Acidification potential (AP)	[kg SO2-Equiv.]	9.08E-03	7.49E-03	1.60E-03		
Eutrophication potential (EP)	[kg PO4-Equiv.]	1.64E-03	1.64E-03	-1.06E-06		
, , ,	[kg Ethylene-Equiv.]	1.37E-03	1.36E-03	1.41E-05	-	
	cro [per m²]					
Primary energy, non-renewable	[MJ]	20.372	23.632	-3.260		
Primary energy, renewable Greenhouse warming potential (GWP 100 years)	[MJ] [kg CO2-Equiv.]	4.436 1.163	4.475 1.070	-0.039 0.093	_	
Ozone depletion potential (ODP)	[kg R11-Equiv.]	4.58E-08	5.40E-08	-8.15E-09		
Acidification potential (AP)	[kg SO2-Equiv.]	3.24E-03	2.64E-03	6.03E-04	-	
Eutrophication potential (EP)	[kg PO4-Equiv.]	8.06E-04	7.49E-04	5.73E-05		
	[kg Ethylene-Equiv.]	5.95E-04	5.82E-04	1.26E-05		
Photochemical oxidant creation potential (POCP) Prepared by: PE INTERNATIONAL, Lein	ıfelden-Echterdin	gen	5.82E-04	1.26E-05	PE INTERNATIONAL EXPERTS IN SUSTAINABILITY	
Photochemical oxidant creation potential (POCP) Prepared by: PE INTERNATIONAL, Lein In cooperation with EGGER Holzwerksto	nfelden-Echterdin ffe Gifhorn Gmbl	gen H & Co.		23	EXPERTS IN SUSTAINABILITY	Certificates and
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