

Environmental Product Declaration (EPD)

Short Version

Declaration code: EPD-STPU-0.3.1



Hörmann KG
Brockhagen

Polyurethane industrial sectional doors



Basic principles:

DIN EN ISO 14025
EN15804

Company -EPD
Environmental
Product Declaration

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25.11.2021



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LCA specialist	ift Rosenheim GmbH Theodor-Gietl-Straße 7-9 83026 Rosenheim		
Declaration holder	Hörmann KG Brockhagen Horststraße 17 33803 Steinhagen		
Declaration code	EPD-STPU-0.3.1		
Designation of the declared product	Polyurethane industrial sectional doors		
scope	Hörmann sectional doors for external (and internal) use as a space-saving shutter for building openings and vehicle entrances in industrial, commercial and residential applications.		
basis	Diese EPD wurde auf Basis der EN ISO 14025:2011 und der EN 15804:2012+A1:2013 erstellt. Zusätzlich gilt der allgemeine Leitfaden zur Erstellung von Typ III Umweltproduktdeklarationen. Die Deklaration beruht auf dem PCR Dokument „Türen und Tore“ – PCR-TT-1.1:2013		
validity	Veröffentlichungsdatum: 25.11.2016	Letzte Überarbeitung: 25.11.2016	Nächste Revision: 25.11.2021
	Diese verifizierte Firmen-Umweltproduktdeklaration gilt ausschließlich für die genannten Produkte und hat eine Gültigkeit von 5 Jahren ab dem Veröffentlichungsdatum gemäß DIN EN 15804.		
Lca basis	The LCA was prepared in accordance with EN ISO 14040 and EN ISO 14044. The base data include both data collected at Hörmann KG Brockhagen and generic data from the „GaBi ts“ database. The Life Cycle Assessment was calculated through the life cycle „cradle to grave“ taking into account all upstream chains such as raw material exploitation.		
Notes on publication	The "Conditions and Guidance on the Use of ift Test Documents" apply. The declaration holder assumes full liability for the underlying data, certificates and verifications.		
			
Prof. Ulrich Sieberath Director of Institute		Florian Stich Verifier	

Note: Further information can be found in the long version.

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Results per m ² Polyurethane industrial sectional doors – product group 2 (part 3 of 3)			
Environmental impacts	unit	lip door A1-A3	drives A1-A3
Global warming potential (GWP)	kg CO ₂ -Äqv.	18,6	89,2
Ozone depletion potential (ODP)	kg R11-Äqv.	4,11E-09	8,92E-07
Acidification potential of soil and water (AP)	kg SO ₂ -Äqv.	0,093	0,428
Eutrophication potential (EP)	kg PO ₄ ³⁻ -Äqv.	0.005	0.029
Photochemical ozone creation potential (POCP)	kg C ₂ H ₄ -Äqv.	0,006	0,035
Abiotic depletion potential - non-fossil resources (ADP - elements)	kg Sb-Äqv.	7,49E-04	0,014
Abiotic depletion potential - fossil resources	MJ	204	1,10E+03
Use of resources	unit	lip door A1-A3	drives A1-A3
Use of renewable primary energy - excluding renewable primary energy resources used as raw materials	MJ	0	236
Use of renewable primary energy resources used as raw materials (material use)	MJ	0	0
Total use of renewable primary energy resources (primary energy and renewable primary energy resources used as raw materials) (energy + material use)	MJ	82,6	236
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials.	MJ	0	1,25E+03
Use of non-renewable primary energy resources used as raw materials (material use)	MJ	0	0
Total use of non-renewable primary energy resources (primary energy and non-renewable primary energy resources used as raw materials) (energy + material use)	MJ	237	1,25E+03
Use of secondary materials	kg	0	0
Use of resources	unit	lip door A1-A3	drives A1-A3
Use of renewable secondary fuels	MJ	0	0
Use of non-renewable secondary fuels	MJ	0	0
Use of net fresh water	m ³	0,215	0,74
Waste categories	unit	lip door A1-A3	drives A1-A3
Hazardous waste disposed	kg	3,52E-07	4,57E-05
Non-hazardous waste disposed (municipal waste)	kg	4,75	13
Radioactive waste	kg	0,013	0,046
Output material flows	unit	lip door A1-A3	drives A1-A3
Components for re-use	kg	0	0
Materials for recycling	kg	0	0
Materials for energy recovery	kg	0	0
Exported energy (electricity)	MJ	0	0
Exported energy (thermal energy)	MJ	0	0

Impressum

LCA preparation by

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notes

This EPD is mainly based on the work and findings of the Institut für Fenstertechnik e.V., Rosenheim (ift Rosenheim) and specifically on the ift-Guideline NA.01/1 – Guidance on the Preparation of Type III Environmental Product Declarations.

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