EPD sliding and folding doors

Short version
Environmental **P**roduct **D**eclaration
in accordance with ISO 14025 and EN 15804

sliding and folding doors (Company-EPD)

Teckentrup GmbH & Co. KG







Declaration code
EPD-EF-GB-5.0

Environmental Product Declaration in accordance with ISO 14025 and EN 15804
Sliding and folding doors

Summary (Part 1 of 2)

Programme operator	**ift Rosenheim GmbH** Theodor-Gietl-Strasse 7-9 83026 Rosenheim	LCA prepared by	**Life Cycle Engineering Experts GmbH** Berliner Allee 58 64295 Darmstadt
Declaration holder	**Teckentrup GmbH & Co. KG** Industriestraße 50 33415 Verl-Sürenheide		

LCA results per m² sliding door	Product stage	Construction stage		Use stage			
	A1 – A3	A4	A5	B1	B2	B3	B4
Primary energy – non-renewable ($PE_{n\ renw}$) in MJ	1590,67	24,22	-	-	0,01	-	-
Primary energy – renewable (PE_{renw}) in MJ	57,60	1,43	-	-	3,00E-4	-	-
Global warming potential (GWP 100) in kg CO2-equiv.	133,06	1,77	-	-	1,12E-3	-	-
Ozone depletion potential (ODP) in kg R11-equiv.	7,87E-9	3,69E-11	-	-	-4,46E-16	-	-
Acidification potential (AP) in kg SO2-equiv.	0,47	0,01	-	-	1,40E-4	-	-
Eutrophication potential (EP) in kg PO43--equiv.	0,04	1,94E-3	-	-	5,24E-07	-	-
Photochemical ozone creation potential (POCP) in kg C_2H_4-equiv.	0,07	-2,76E-3	-	-	2,72E-07	-	-
Abiotic depletion potential (elements) ($ADP_{el.}$) in kg Sb-equiv.	2,7E-4	8,14E-8	-	-	2,96E-10	-	-
Abiotic depletion potential (fossil) (ADP_{fos}) in MJ	1590,67	24,22	-	-	8,46E-3	-	-
Water consumption in m³	41,11	0,11	-	-	2,84E-4	-	-

The values expressed as [-] cannot be shown since they are inexistent or marginal. Sections that are not relevant are described in the Annex.

Prof. Ulrich Sieberath Director of Institute	Patrick Wortner Verifier

Environmental Product Declaration in accordance with ISO 14025 and EN 15804
Sliding and folding doors

Summary (Part 1 of 2)

Declaration code	EPD-EF-GB-5.0
Designation of declared product	Sliding and folding doors
Declared and functional unit	1 m² door
Scope	Sliding and folding doors for external (and internal) use as a closure for building openings and vehicle entrance in industrial, commercial and residential applications.

Use stage			End-of-life stage				Recycling potential
B5	B6	B7	C1	C2	C3	C4	D
-	3,75E-3	-	-	2,88	-	-	-
-	7,39E-4	-	-	0,17	-	-	-
-	2,64E-4	-	-	0,21	-	-	-
-	1,53E-13	-	-	4,39E-12	-	-	-
-	4,76E-7	-	-	9,54E-4	-	-	-
-	5,16E-8	-	-	2,31E-4	-	-	-
-	3,35E-8	-	-	-3,28E-4	-	-	-
-	4,15E-11	-	-	9,69E-9	-	-	-
-	3,75E-3	-	-	2,88	-	-	-
-	6,64E-4	-	-	0,01	-	-	-

The table shows an extract of the environmental impacts. All values required as per EN 15804 are presented n the detailed version

Basis

- EN ISO 14025:2011
- EN 15804:2012

Guidance on preparing Type III Environmental Product Declarations.

This Declaration is based on the PCR document. This declaration is based on the PCR document „Doors“ PCR-TT-1.1 : 2011

Validity

This verified Environmental Product Declaration applies solely to the specified products and is valid for a period of 5 years from the date of issue.

The declaration holder assumes full liability for the underlying data, certificates and verifications.

Publication data:
01. Juli 2012

Next revision:
01. Juli 2018

Notes on publication

The "Conditions and Guidance on the Use of ift Test Documents" apply.
The data collected from the factory of Teckentrup GmbH & Co. KG and generic data of the “GaBi 6” database were used as the basis. 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.

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Environmental Product Declaration in accordance with ISO 14025 and EN 15804
Sliding and folding doors

Summary (Part 2 of 2)

Programme operator	**ift Rosenheim GmbH** Theodor-Gietl-Strasse 7-9 83026 Rosenheim	LCA prepared by	**Life Cycle Engineering Experts GmbH** Berliner Allee 58 64295 Darmstadt
Declaration holder	**Teckentrup GmbH & Co. KG** Industriestraße 50 33415 Verl-Sürenheide		

LCA results per m² folding door	Product stage	Construction stage		Use stage			
	A1 – A3	A4	A5	B1	B2	B3	B4
Primary energy – non-renewable ($PE_{n\ renw}$) in MJ	1260,55	10,85	-	-	0,02	503,10	-
Primary energy – renewable (PE_{renw}) in MJ	45,20	0,64	-	-	5,99E-4	12,30	-
Global warming potential (GWP 100) in kg CO2-equiv.	96,84	0,79	-	-	2,24E-3	22,37	-
Ozone depletion potential (ODP) in kg R11-equiv.	7,06E-9	1,65E-11	-	-	-8,92E-16	1,47E-8	-
Acidification potential (AP) in kg SO2-equiv.	0,29	3,59E-3	-	-	2,80E-6	0,04	-
Eutrophication potential (EP) in kg PO43--equiv.	0,03	8,70E-4	-	-	1,05E-6	3,53E-3	-
Photochemical ozone creation potential (POCP) in kg C_2H_4-equiv.	0,05	-1,24E-3	-	-	5,44E-7	0,01	-
Abiotic depletion potential (elements) ($ADP_{el.}$) in kg Sb-equiv.	1,42E-5	3,65E-8	-	-	5,92E-10	4,64E-6	-
Abiotic depletion potential (fossil) (ADP_{fos}) in MJ	1260,55	10,85	-	-	0,02	503,05	-
Water consumption in m³	35,97	0,05	-	-	0,01	10,99	-

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Use stage			End-of-life stage				Recycling potential
B5	B6	B7	C1	C2	C3	C4	D
-	1536,00	-	-	1,29	-	-	-
-	302,80	-	-	0,08	-	-	-
-	108,10	-	-	0,09	-	-	-
-	6,26E-8	-	-	1,97E-12	-	-	-
-	0,20	-	-	4,28E-4	-	-	-
-	0,02	-	-	1,04E-4	-	-	-
-	0,01	-	-	-1,47E-4	-	-	-
-	1,70E-5	-	-	4,34E-9	-	-	-
-	1536,00	-	-	1,29	-	-	-
-	272,10	-	-	0,01	-	-	-

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