

Environmental Product Declaration (EPD)

Short version

Declaration Code: EPD-DB-8.1



Asa Abloy
(Schweiz) AG

Sealing Systems

Drop-down seals for doors



Basis:

DIN EN ISO 14025
EN15804

Company EPD
Environmental
Product Declaration

Publication date:
31.03.2020

Next revision:
31.03.2025



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Programme operator	ift Rosenheim GmbH Theodor Gietl Straße 7-9 D-83026 Rosenheim		
Practitioner of the LCA	ift Rosenheim GmbH Theodor Gietl Straße 7-9 D-83026 Rosenheim		
Declaration holder	Assa Abloy (Schweiz) AG Untere Schwandenstrasse 22 8805 Richterswil		
Declaration code	EPD-DB-8.1		
Designation of declared product	Drop-down seals for doors		
Scope	Efficient drop-down seal for sound insulation, radiation protection, smoke control and fire resistant doors, and low energy and passive houses		
Basis	This EPD was prepared on the basis of EN ISO 14025:2011 and DIN EN 15804:2012+A1:2013. In addition, the "Allgemeiner Leitfaden zur Erstellung von Typ III Umweltproduktdeklarationen" (Guidance on preparing Type III Environmental Product Declarations) applies. The Declaration is based on the PCR Document "PCR Part A" PCR-A-0.2:2018 and "Seals/Gaskets" PCR-DI-2.0:2018.		
Validity	Publication date: 31.03.2020	Last revision: 13.06.2023	Next revision: 31.03.2025
	This verified Company Environmental Product Declaration (company EPD) applies solely to the specified products and is valid for a period of 5 years from the date of publication in accordance with DIN EN 15804.		
LCA basis	The LCA was prepared in accordance with DIN EN ISO 14040 and DIN EN ISO 14044. The base data includes both the data collected at the production site of Assa Abloy (Schweiz) AG and the generic data derived from the "GaBi 9" database. LCA calculations were carried out for the included "cradle to gate life cycle with options" (cradle to gate with options) including all upstream processes (e.g. raw material extraction, etc.).		
Notes	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.		
Christian Kehrer Head of ift Certification and Surveillance Body	Dr. Torsten Mielecke Chairman of Expert Committee ift EPD and PCR	Florian Stich Independent Verifier	

Note: For more information refer to the long version.

Part 1 of 1

Results per 1 running metre of drop-down seal for doors

	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Central environmental impacts																
GWP	kg CO ₂ eq.	4.81	5.77E-02	7.88E-04	-	-	0.00	2.86	-	0.00	0.00	0.00	1.53E-03	0.26	1.34E-03	-2.28
ODP	kg R11 eq.	8.62E-14	9.58E-18	2.81E-19	-	-	0.00	7.95E-14	-	0.00	0.00	0.00	2.55E-19	1.64E-15	7.77E-18	-8.36E-15
AP	kg SO ₂ eq.	2.10E-02	1.39E-04	1.81E-07	-	-	0.00	1.12E-02	-	0.00	0.00	0.00	8.91E-06	1.77E-04	8.01E-06	-1.02E-02
EP	kg PO ₄ ³⁻ eq.	1.40E-03	3.45E-05	1.87E-08	-	-	0.00	8.25E-04	-	0.00	0.00	0.00	2.28E-06	1.81E-05	9.08E-07	-6.28E-04
POCP	kg C ₂ H ₄ eq.	1.26E-03	-4.63E-05	8.05E-09	-	-	0.00	6.26E-04	-	0.00	0.00	0.00	-3.98E-06	1.17E-05	6.15E-07	-5.91E-04
ADPE	kg Sb eq.	2.03E-05	4.47E-09	4.47E-11	-	-	0.00	1.45E-05	-	0.00	0.00	0.00	1.19E-10	1.95E-08	4.91E-10	-5.77E-06
ADPF	MJ	55.45	0.79	2.62E-04	-	-	0.00	30.51	-	0.00	0.00	0.00	2.09E-02	0.64	1.87E-02	-26.41
Use of resources																
PERE	MJ	27.66	4.58E-02	2.22E-03	-	-	0.00	16.24	-	0.00	0.00	0.00	1.22E-03	0.42	5.05E-02	-11.95
PERM	MJ	5.02E-02	0.00	-2.16E-03	-	-	0.00	4.00E-05	-	0.00	0.00	0.00	0.00	0.00	-4.80E-02	0.00
PERT	MJ	27.71	4.58E-02	5.63E-05	-	-	0.00	16.24	-	0.00	0.00	0.00	1.22E-03	0.42	2.45E-03	-11.95
PENRE	MJ	64.06	0.79	5.10E-03	-	-	0.00	36.99	-	0.00	0.00	0.00	2.10E-02	3.04	2.38E-01	-31.17
PENRM	MJ	2.20	0.00	-4.80E-03	-	-	0.00	2.20E-03	-	0.00	0.00	0.00	0.00	-1.97	-0.22	0.00
PENRT	MJ	66.26	0.79	2.99E-04	-	-	0.00	36.99	-	0.00	0.00	0.00	2.10E-02	1.07	1.94E-02	-31.17
SM	kg	0.00	0.00	0.00	-	-	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RSF	MJ	0.00	0.00	0.00	-	-	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NRSF	MJ	0.00	0.00	0.00	-	-	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FW	m ³	6.40E-02	7.74E-05	2.04E-06	-	-	0.00	3.53E-02	-	0.00	0.00	0.00	2.06E-06	9.28E-04	4.88E-06	-2.98E-02
Waste categories																
HWD	kg	9.20E-08	4.41E-08	1.23E-12	-	-	0.00	1.17E-07	-	0.00	0.00	0.00	1.17E-09	5.19E-10	3.30E-10	-2.15E-08
NHWD	kg	1.25	6.42E-05	6.38E-05	-	-	0.00	0.76	-	0.00	0.00	0.00	1.71E-06	1.55E-03	8.99E-02	-0.58
RWD	kg	4.25E-03	1.07E-06	1.45E-08	-	-	0.00	2.55E-03	-	0.00	0.00	0.00	2.85E-08	1.70E-04	2.60E-07	-1.87E-03
HWD	kg	9.20E-08	4.41E-08	1.23E-12	-	-	0.00	1.17E-07	-	0.00	0.00	0.00	1.17E-09	5.19E-10	3.30E-10	-2.15E-08
Output material flows																
CRU	kg	0.00	0.00	0.00	-	-	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MFR	kg	1.50E-02	0.00	0.00	-	-	0.00	0.50	-	0.00	0.00	0.00	0.00	0.48	0.00	0.00
MER	kg	0.00	0.00	0.00	-	-	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EEE	MJ	0.00	0.00	1.61E-03	-	-	0.00	0.43	-	0.00	0.00	0.00	0.00	0.43	0.00	0.00
EET	MJ	0.00	0.00	2.91E-03	-	-	0.00	0.76	-	0.00	0.00	0.00	0.00	0.76	0.00	0.00

Key:
GWP – global warming potential **ODP** – ozone depletion potential **AP** - acidification potential **EP** - eutrophication potential **POCP** - photochemical ozone formation potential **ADPE** - abiotic depletion potential – non fossil resources **ADPF** - abiotic depletion potential – fossil resources **PERE** - use of renewable primary energy **PERM** - use of renewable primary energy resources **PERT** - total use of renewable primary energy resources **PENRE** - use of non-renewable primary energy **PENRM** - use of non-renewable primary energy resources **PENRT** - total use of non-renewable primary energy resources **SM** - use of secondary material **RSF** - use of renewable secondary fuels **NRSF** - use of non-renewable secondary fuels **FW** - net use of fresh water **HWD** - hazardous waste disposed **NHWD** - non-hazardous waste disposed **RWD** - radioactive waste disposed **CRU** - components for re-use **MFR** - materials for recycling **MER** - materials for energy recovery **EEE** - exported electrical energy **EET** - exported thermal energy

Imprint

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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-Richtlinie NA-01/3 Allgemeiner Leitfaden zur Erstellung von Typ III Umweltproduktdeklarationen. (Guideline NA.01/3 - Guidance on preparing Type III Environmental Product Declarations)

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