

# Environmental Product Declaration (EPD)

short version



Declaration code: EPD-MT-GB-5.1



**TECKENTRUP**  
DOOR SOLUTIONS

**Teckentrup GmbH  
& Co. KG**

## Multipurpose door made of steel



**basis:**

DIN EN ISO 14025  
EN15804

company-EPD  
Environmental  
Product Declaration

date of issue:  
01.01.2017

next Revision  
01.01.2022





[www.ift-rosenheim.de/  
erstelle-epds](http://www.ift-rosenheim.de/erstelle-epds)

# Environmental Product Declaration (EPD)

short version



Declaration code: EPD-MT-GB-5.1

<b>Program operator</b>	ift Rosenheim GmbH Theodor-Gietl-Straße 7-9 83026 Rosenheim		
<b>LCA specialist</b>	ift Rosenheim GmbH Theodor-Gietl-Straße 7-9 83026 Rosenheim		
<b>Declaration holder</b>	Teckentrup GmbH & Co. KG Industriestraße 50 33415 Verl-Sürenheide		
<b>Declaration code</b>	EPD-MT-GB-5.1		
<b>Designation of the declared product</b>	Multipurpose door made of steel		
<b>scope</b>	Multifunktionsüren zur Anwendung in Büro- und Verwaltungsgebäuden sowie öffentlichen Gebäuden als auch im privaten Bereich.		
<b>basis</b>	This EPD was prepared on the basis of EN ISO 14025:2011 and EN 15804:2012+A1:2013. In addition the "General guideline for elaboration of type III environmental product declarations" applies. This Declaration is based on the PCR Document „Türen und Tore“ – PCR-TT-1.1:2013“		
<b>validity</b>	date of issue: 01.01.2017	last revision: 01.01.2017	next revision: 01.01.2022
	This verified company Environmental Product Declaration applies solely to the specified products and is valid for a period of 5 years from the date of issue according to EN 15804.		
<b>Lca basis</b>	The LCA was prepared in accordance with EN ISO 14040 and EN ISO 14044. The base data include both data collected at Teckentrup GmbH & Co. KG and generic data from the "GaBi ts" database. LCA calculations were based on the "cradle to gate with options" life cycle (e.g. raw materials production).		
<b>Notes on publication</b>	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	Dr.-Ing. Carolin Roth External Verifier		

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

results per m <sup>2</sup> Multipurpose door made of steel (part 1 of 2)																
Environmental impacts	unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global warming potential (GWP)	kg CO <sub>2</sub> -Äqv.	127	0,876	14,6	-	0,272	7,7	-	-	0	0	0	0,104	0,0874	13,5	-9,81
Ozone depletion potential (ODP)	kg R11-Äqv.	3,62E-08	2,22E-12	2,13E-08	-	2,00E-12	1,32E-10	-	-	0	0	0	2,64E-13	4,47E-11	2,02E-07	-4,19E-09
Acidification potential of soil and water (AP)	kg SO <sub>2</sub> -Äqv.	0,434	3,75E-03	1,88E-03	-	8,34E-04	0,0265	-	-	0	0	0	4,46E-04	3,23E-04	0,052	-0,0193
Eutrophication potential (EP)	kg PO <sub>4</sub> <sup>3-</sup> -Äqv.	0,0415	9,47E-04	3,36E-04	-	5,64E-05	2,36E-03	-	-	0	0	0	1,13E-04	3,58E-05	0,0116	-1,94E-03
Photochemical ozone creation potential (POCP)	kg C <sub>2</sub> H <sub>4</sub> -Äqv.	0,0663	-1,33E-03	1,53E-04	-	1,22E-04	3,20E-03	-	-	0	0	0	-1,58E-04	2,63E-05	0,0072	-1,68E-03
Abiotic depletion potential - non-fossil resources (ADP - elements)	kg Sb-Äqv.	1,05E-04	6,81E-08	-5,67E-07	-	4,34E-08	6,56E-06	-	-	0	0	0	8,11E-09	2,88E-08	3,40E-05	-2,44E-06
Abiotic depletion potential - fossil resources (ADP – fossil fuels.)	MJ	1690	11,9	3,47	-	12,8	94,3	-	-	0	0	0	1,42	1	141	-122
Use of resources	unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Use of renewable primary energy - excluding renewable primary energy resources used as raw materials	MJ	184,4	0,825	0,0683	-	0,156	12,7	-	-	-	-	-	-	-	1,79	-33,2
Use of renewable primary energy resources used as raw materials (material use)	MJ	105,6	-	-	-	-	-	-	-	-	-	-	-	-	-	-105,6
Total use of renewable primary energy resources (primary energy and renewable primary energy resources used as raw materials) (energy + material use)	MJ	290	0,825	0,0683	-	0,156	12,7	-	-	0	0	0	0,098	0,343	1,79	-138,8
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials.	MJ	1754,6	12	4,36	-	12,9	91,59	-	-	-	-	-	-	-	150	-163
Use of non-renewable primary energy resources used as raw materials (material use)	MJ	15,41	-	-	-	-	15,41	-	-	-	-	-	-	-	-	-
Total use of non-renewable primary energy resources (primary energy and non-renewable primary energy resources used as raw materials) (energy + material use)	MJ	1770	12	4,36	-	12,9	107	-	-	0	0	0	1,43	1,42	150	-163
Use of secondary materials	kg	0	0	0	-	0	0	-	-	0	0	0	0	0	0	0



Product group: doors

results per m <sup>2</sup> Multipurpose door made of steel (part 2 of 2)																
Use of resources	unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Use of renewable secondary fuels	MJ	0,079	0	0	-	0	0	-	-	0	0	0	0	0	0	0
Use of non-renewable secondary fuels	MJ	0,985	0	0	-	0	0	-	-	0	0	0	0	0	0	0
Use of net fresh water	m <sup>3</sup>	0,496	1,22E-03	0,0213	-	0,0127	0,038	-	-	0	0	0	5,39E-04	0,0107	0,0107	-0,0477
Waste categories	unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	2,23E-05	1,53E-06	0	-	6,63E-09	9,05E-08	-	-	0	0	0	1,82E-07	8,32E-09	2,64E-08	-1,03E-07
Non-hazardous waste disposed (municipal waste)	kg	5,46	1,51E-03	0	-	1,86E-03	0,0835	-	-	0	0	0	1,80E-04	1,54	0,313	-0,0783
Radioactive waste	kg	0,0295	2,08E-05	2,67E-04	-	3,90E-05	2,38E-03	-	-	0	0	0	2,47E-06	1,69E-04	2,65E-03	-4,86E-04
Output material flows	unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0	0	0	-	0	0	-	-	0	0	0	0	0	0	-
Materials for recycling	kg	0	0	0	-	0	0	-	-	0	0	0	0	30,8	0	-
Materials for energy recovery	kg	0	0	0	-	0	0	-	-	0	0	0	0	0	0	-
Exported energy (electricity)	MJ	0,383	0	0	-	0	0	-	-	0	0	0	0	0	5,6	-
Exported energy (thermal energy)	MJ	0	0	0	-	0	0	-	-	0	0	0	0	0	14,8	-

## **Imprint**

### **LCA preparation by**

ift Rosenheim GmbH  
Theodor-Gietl-Straße 7-9  
83026 Rosenheim

### **Programme operator**

ift Rosenheim GmbH  
Theodor-Gietl-Str. 7-9  
83026 Rosenheim  
phone: 0 80 31/261-0  
fax: 0 80 31/261 290  
E-Mail: [info@ift-rosenheim.de](mailto:info@ift-rosenheim.de)  
[www.ift-rosenheim.de](http://www.ift-rosenheim.de)

### **declaration holder**

Teckentrup GmbH & Co. KG  
Industriestraße 50  
33415 Verl-Sürenheide

### **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.

The publication and all of its parts are protected by copyright. Any utilisation outside the confined limits of the copyright provisions is not permitted without the consent of the publishers and is punishable. In particular, this applies to any form of reproduction, translations, storage on microfilm and the storage and processing in electronic systems.

### **Layout**

ift Rosenheim GmbH - 2015

### **photos**

Teckentrup GmbH & Co. KG

© ift Rosenheim, 2015



ift Rosenheim GmbH  
Theodor-Gietl-Str. 7-9  
83026 Rosenheim  
phone: +49 (0) 80 31/261-0  
fax: +49 (0) 80 31/261-290  
E-Mail: [info@ift-rosenheim.de](mailto:info@ift-rosenheim.de)  
[www.ift-rosenheim.de](http://www.ift-rosenheim.de)