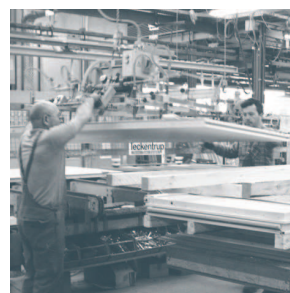


# EPD multipurpose doors (short version)

Environmental Product Declaration  
nach ISO 14025 und prEN 15804

**multipurpose doors (Company-EPD)**

**Teckentrup GmbH & Co. KG**



declaration number  
EPD-MT-5.0  
January 2012

# Environmental product declaration according to ISO 14025 and prEN 15804 Short version



## multipurpose door

|                                     |                                                                                   |                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| programme holder                    | ift Rosenheim GmbH<br>Theodor-Gietl-Strasse 7-9<br>83026 Rosenheim -Germany-      |  |
| declaration holder                  | Teckentrup GmbH & Co. KG<br>Industriestraße 50<br>33415 Verl-Sürenheide -Germany- |  |
| Declaration number                  | EPD-MT-5.0                                                                        |                                                                                     |
| Description of the declared product | Multipurpose door made of steel                                                   |                                                                                     |
| Application                         | Multipurpose doors for inside use in public and private buildings.                |                                                                                     |

| Findings of the Life Cycle Assessment per m <sup>2</sup> door                          |                                                                                     | Manufacturing<br>A1 – A5 | Utilization<br>B1 – B7 | Subsequent utilization<br>C1 – C4 | Recycling potential D  |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|------------------------|-----------------------------------|------------------------|
| Non-regenerative primary energy (PE <sub>reg</sub> ) in MJ                             |  | 1510,38                  | 133,59                 | -88,28                            | -636,7                 |
| Regenerative primary energy (PE <sub>reg</sub> ) in MJ                                 |  | 98,24                    | 5,72                   | -2,36                             | -8,864                 |
| Global warming potential (GWP 100) in kg CO <sub>2</sub> eqv.                          |  | 220,58                   | 7,98                   | 28,51                             | -47,09                 |
| Ozone depletion potential (ODP) in kg R11 eqv.                                         |  | $2,43 \times 10^{-5}$    | $3,96 \times 10^{-7}$  | $-6,83 \times 10^{-7}$            | $4,87 \times 10^{-7}$  |
| Acidification potential (AP) in kg SO <sub>2</sub> eqv.                                |  | 0,32                     | 0,022                  | $8,30 \times 10^{-3}$             | -0,1347                |
| Eutrophication potential (EP) in kg PO <sub>4</sub> 3 eqv.                             |  | 0,031                    | $3,00 \times 10^{-3}$  | 0,045                             | -0,0137                |
| Photochemical ozone creation potential (POCP) in kg C <sub>2</sub> H <sub>4</sub> eqv. |  | 0,057                    | $3,10 \times 10^{-3}$  | $5,80 \times 10^{-3}$             | -0,020                 |
| Abiotic depletion potential (elements) (ADP <sub>el</sub> ) in kg Sb eqv.              |  | $3,70 \times 10^{-4}$    | $6,44 \times 10^{-6}$  | $3,00 \times 10^{-7}$             | $-2,28 \times 10^{-4}$ |
| Abiotic depletion potential (fossil fuels) (ADP <sub>fos</sub> ) in MJ                 |  | 1346,80                  | 108,98                 | -54,57                            | -631,65                |

### Basic principles

- ISO 14025:2006
- prEN 15804:2011

General guidelines for the creation of type III environmental product declarations

The declaration is based on the PCR document "Doors and Hinged Doors" PCR-TT-1.0: 2011

### Validity

This verified Environmental Product Declaration only applies to the above-mentioned products and is valid for 5 years from the date of issue. The declaration holder is fully liable for the information and evidence on which the declaration is based.

Date of issue:  
01. Oktober 2011

Next revision:  
01. Oktober 2016

### Scope of the Life Cycle Assessment

The Life Cycle Assessment was carried out according to ISO 14040 and EN ISO 14044. The data collected from the factory of Teckentrup GmbH & Co. KG and generic data of the "GaBi 4.4" 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 publishing

Observe the "Conditions and notes for the use of ift test documents".

Ulrich Sieberath  
Signature of the director of  
ift Rosenheim GmbH

Bernd Strufe  
Signature of the verifying party



ift Rosenheim GmbH

Geschäftsführer:  
Dipl.-Ing. (FH) Ulrich Sieberath  
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BLZ 711 500 00

Notified Body Nr.: 0757  
Anerkannte PUZ-Stelle: BAY 18  
 DAP-PL-0808 99  
DAP-ZE-2288 00  
TGA-ZM-16-93-00  
TGA-ZM-16-93-00

# Environmental product declaration according to ISO 14025 and prEN 15804 Short version



## multipurpose door

### 1 product definition

**product definition** This EPD applies to:

**Teckentrup GmbH & Co. KG. multipurpose door made of steel**

The LCA was prepared using the declared unit:

**1 m<sup>2</sup> door area**

This functional unit is declared as follows:

Multipurpose door **1,00 m x 2,00 m**

#### **Product description:**

Multipurpose door made of steel, consisting of door leaf and frame.

For product details visit: [www.teckentrup.biz](http://www.teckentrup.biz)

#### **application**

multipurpose doors for use in.:

- office and administration buildings
- industry buildings
- public buildings
- private buildings

typical application sectors of Teckentrup multipurpose doors are:

- fire protection (T30, T60, T90)
- smokeproof
- sound insulated
- burglar resistant
- multipurpose doors

#### **Management systems (optional)**

The following management systems are in place:

- **Quality management system as per DIN EN ISO 9001:2008**
- 

#### **additional information**

For detailed structural characteristics please refer to the CE marking and to the accompanying documents.



ift Rosenheim GmbH

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Notified Body Nr.: 0757  
Anerkannte PÜZ-Stelle: BAY 18  
The logo for DAP (Deutscher Akkreditierungsverband), featuring the letters 'DAP' in a stylized font with a red and yellow background.  
DAP-PL-0808 99  
DAP-ZE-2288 00  
TGA-ZM-16-93-00  
TGA-ZM-16-93-00

product group: doors  
 declarations number: EPD-MT-5.0

date created: 01. Januar 2012  
 next revision: 01. Januar 2017

### Product overview multipurpose doors:



|                                                         | fire resisting (T 30) | fire resisting (T 60) | fire resistant (T 90) | smoke proofing | sound proofing | burglar resistant WK2 | burglar resistant WK2 | burglar resistant WK3 | burglar resistant WK4 | multipurpose | inner door | stainless steel |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------|------------|-----------------|
| <b>T30-1 damper "Teckentrup HT 8-D"</b>                 | x                     |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>T30-1-damper "Teckentrup OS"</b>                     | x                     |                       |                       | x              |                |                       | x                     |                       |                       |              |            | x               |
| <b>T30-1 "Teckentrup HT 8-D"</b>                        | x                     |                       |                       | x              | x              |                       | x                     |                       |                       |              |            |                 |
| <b>T30-1 "Teckentrup 42"</b>                            | x                     |                       |                       | x              | x              |                       | x                     |                       |                       |              |            |                 |
| <b>T30-1 "Teckentrup OS"</b>                            | x                     |                       |                       | x              | x              |                       | x                     | x                     | x                     |              |            | x               |
| <b>T30-1 "Teckentrup DF"</b>                            | x                     |                       |                       | x              | x              |                       | x                     |                       |                       |              |            | x               |
| <b>T30-1 "Teckentrup 62"</b>                            | x                     |                       |                       | x              | x              |                       | x                     | x                     | x                     |              |            | x               |
| <b>T30-1 "Teckentrup 62 ST"</b>                         | x                     |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>T30-2 "Teckentrup 42"</b>                            | x                     |                       |                       | x              | x              |                       | x                     |                       |                       |              |            |                 |
| <b>T30-2 "Teckentrup H"</b>                             | x                     |                       |                       | x              | x              |                       | x                     | x                     |                       |              |            | x               |
| <b>T30-2 "Teckentrup DF"</b>                            | x                     |                       |                       | x              | x              |                       | x                     |                       |                       |              |            | x               |
| <b>T30-2 "Teckentrup 62"</b>                            | x                     |                       |                       | x              | x              |                       | x                     | x                     | x                     |              |            | x               |
| <b>T30-2 "Teckentrup 62 ST"</b>                         | x                     |                       |                       |                |                |                       |                       |                       |                       |              |            |                 |
| <b>T60-1 "Teckentrup 62"</b>                            |                       | x                     |                       | x              | x              |                       | x                     | x                     | x                     |              |            |                 |
| <b>T60-2 "Teckentrup 62"</b>                            |                       | x                     |                       | x              | x              |                       | x                     | x                     | x                     |              |            |                 |
| <b>T90-1 "Teckentrup K"</b>                             |                       |                       | x                     | x              | x              |                       |                       |                       |                       |              |            | x               |
| <b>T90-1 "Teckentrup OS"</b>                            |                       |                       | x                     | x              | x              |                       | x                     | x                     | x                     |              |            | x               |
| <b>T90-1 "Teckentrup DF"</b>                            |                       |                       | x                     | x              | x              |                       | x                     |                       |                       |              |            | x               |
| <b>T90-1 "Teckentrup 62"</b>                            |                       |                       | x                     |                |                |                       |                       |                       |                       |              |            |                 |
| <b>T90-2 "Teckentrup SV"</b>                            |                       |                       | x                     | x              | x              |                       | x                     | x                     |                       |              |            | x               |
| <b>T90-2 "Teckentrup DF"</b>                            |                       |                       | x                     | x              | x              |                       |                       |                       |                       |              |            | x               |
| <b>T90-1 "Teckentrup OS 72"</b>                         |                       |                       | x                     |                | x              |                       |                       |                       |                       |              |            | x               |
| <b>smoke protection damper "Teckentrup K3"</b>          |                       |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>smoke protection door "RS-1"</b>                     |                       |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>smoke protection door "RS-2"</b>                     |                       |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>smoke protection door "RS-1 DF"</b>                  |                       |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>smoke protection door "RS-2 DF"</b>                  |                       |                       |                       | x              |                |                       |                       |                       |                       |              |            |                 |
| <b>MZD-HT 8 "Teckentrup"</b>                            |                       |                       |                       |                | x              |                       |                       |                       |                       |              |            |                 |
| <b>dw 42-1 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       | x                     | x                     |                       | x            |            |                 |
| <b>dw 42-2 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       | x                     | x                     |                       | x            |            |                 |
| <b>dw 52-1 "Teckentrup DF"</b>                          |                       |                       |                       |                | x              |                       | x                     | x                     | x                     | x            | x          |                 |
| <b>dw 52-2 "Teckentrup DF"</b>                          |                       |                       |                       |                | x              |                       |                       |                       |                       | x            | x          |                 |
| <b>dw 54-1 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       | x                     | x                     |                       | x            | x          |                 |
| <b>dw 54-2 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       | x                     | x                     |                       | x            | x          |                 |
| <b>dw 64-1 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       | x                     | x                     | x                     | x            |            |                 |
| <b>dw 64-1 "Teckentrup XL"</b>                          |                       |                       |                       |                |                |                       | x                     | x                     | x                     | x            |            |                 |
| <b>dw 64-2 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       | x                     | x                     | x                     | x            |            |                 |
| <b>dw 64-2 "Teckentrup XL"</b>                          |                       |                       |                       |                |                |                       |                       | x                     | x                     | x            |            |                 |
| <b>dw 67-1 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       |                       |                       |                       | x            | x          |                 |
| <b>dw 67-2 "Teckentrup"</b>                             |                       |                       |                       |                | x              |                       |                       |                       |                       | x            | x          |                 |
| <b>cellar-safety door - HT 8 / MZD-1</b>                |                       |                       |                       |                |                |                       | x                     | x                     |                       |              |            |                 |
| <b>MZD-HT 8 / MZD-1 "Teckentrup"</b>                    |                       |                       |                       |                |                |                       | x                     |                       |                       | x            |            |                 |
| <b>Teckentrup prison cell door (T15)</b>                |                       |                       |                       |                |                |                       |                       |                       | x*                    |              |            |                 |
| <b>dw 64-1 "Teckentrup BP" FB4 - bullet resistant</b>   |                       |                       |                       |                |                |                       |                       |                       |                       | x            | x          |                 |
| <b>construction site door BT42-1</b>                    |                       |                       |                       |                |                |                       | x                     |                       |                       | x            |            |                 |
| <b>Teckentrup Water 1</b>                               |                       |                       |                       |                |                |                       |                       |                       |                       | x            |            | x               |
| <b>Teckentrup Water 2</b>                               |                       |                       |                       |                |                |                       |                       |                       |                       | x            |            | x               |
| <b>Teckentrup swingdoor single &amp; double leaf</b>    |                       |                       |                       |                |                |                       |                       |                       |                       |              |            |                 |
| <b>flood protection door</b>                            |                       |                       |                       |                |                |                       |                       |                       |                       | x            |            |                 |
| <b>inner door "Teckentrup" single &amp; double leaf</b> |                       |                       |                       |                |                |                       |                       |                       |                       |              | x          | x               |

x\* = in preparation /

Nov. 2011. This table represents the most common types of doors and property options.

## **Imprint**

### **Programme operator**

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### **Declaration holder**

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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-01/1 Allgemeiner Leitfaden zur Erstellung von Typ III Umweltproduktdeklarationen (Guideline NA.01/1 – Guidance on the Preparation of Type III Environmental Product Declarations).

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### **Layout**

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