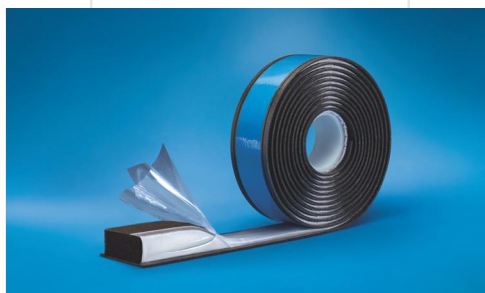


EPD Sealing Tapes

Environmental Product Declaration
in accordance with ISO 14025 and prEN 15804

Sealing tapes made of polyurethane and polyethylene
(company-EPD)

ISO-Chemie GmbH



Declaration number
EPD-BÄ-3.0
October 2011

Environmental Product Declaration in accordance with ISO 14025 and prEN 15804

Short version



Sealing tapes

| | | |
|-------------------------------------|--|--|
| Programme holder | ift Rosenheim GmbH Theodor-Gietl-Strasse 7-9 D-83026 Rosenheim | |
| Declaration holder | ISO-Chemie GmbH Röntgenstraße 12 D-73431 Aalen | |
| Declaration number | EPD-BÄ-3.0 | |
| Description of the product declared | Sealing tapes made of polyurethane and polyethylene from ISO-Chemie GmbH | |
| Area of application | Sealing tapes for the professional sealing of connecting joints between structural elements e.g. for windows / doors / façades / lightweight metal systems / WDVS etc. | |

Basic principles

- DIN ISO 14025
- prEN 15804

General guidelines for the creation of type III environmental declarations

The declaration is based on the PCR document "Baukörperanschluss" PCR-BA-1.0 (Structural connection): 2011

Validity

This verified Environmental Product Declaration is valid exclusively for the named products and is valid for 5 years from the date of issue.

The declaration holder is fully liable for the specifications and proofs it is based on.

Date of issue:
November 1, 2011

Next review:
November 1, 2016

Scope of the eco-balance

The eco-balance was prepared in line with DIN EN ISO 14040 and DIN EN ISO 14044. The data obtained from the ISO-Chemie GmbH plant in Aalen and generic data from the "Gabi 4.4" database were taken as a basis. The eco-balance was calculated over the "cradle to grave" life cycle, paying particular consideration to all pre-chains such as raw material extraction.

Publication notes

The "Conditions and notes on the use of ift test documentation" apply.

| Results of the eco-balance per m sealing tape | | Production A1 – A5 | Use B1 – B7 | Post-use C1 – C4 | Recycling potential D |
|--|--|-------------------------|-------------|--------------------------|---------------------------|
| Primary Energy, non-regenerative (PE _{n,reg}) in MJ | | 2,38 | U → 0 | 1,43 x 10 ⁻³ | -0,28 |
| Primary Energy, regenerative (PE _{reg}) in MJ | | 6,13 x 10 ⁻² | U → 0 | 1,79 x 10 ⁻⁶ | -2,25 x 10 ⁻³ |
| Global Warming Potential (GWP 100) in kg CO ₂ equ. | | 0,133 | U → 0 | 9,47 x 10 ⁻⁵ | 3,02 x 10 ⁻² |
| Ozone Depletion Potential (ODP) in kg R11-equ. | | 3,0 x 10 ⁻⁹ | U → 0 | 1,92 x 10 ⁻¹³ | -5,02 x 10 ⁻¹⁰ |
| Acidification Potential (AP) in kg SO ₂ equ. | | 4,64 x 10 ⁻⁴ | U → 0 | 3,01 x 10 ⁻⁷ | 2,12 x 10 ⁻⁵ |
| Eutrophication Potential (EP) in kg PO ₄ ³⁻ equ. | | 7,11 x 10 ⁻⁵ | U → 0 | 6,43 x 10 ⁻⁸ | 5,84 x 10 ⁻⁶ |
| Photochemical Ozone Creation Potential (POCP) in kg C ₂ H ₄ equ. | | 6,18 x 10 ⁻⁵ | U → 0 | 3,82 x 10 ⁻⁸ | 5,13 x 10 ⁻⁷ |
| Abiotic Depletion Potential elements (ADP _{el.}) in kg Sb equ. | | 2,43 x 10 ⁻⁷ | U → 0 | 2,03 x 10 ⁻¹² | 1,92 x 10 ⁻⁹ |
| Abiotic Depletion Potential fossil (ADP _{fos}) in MJ | | 2,10 | U → 0 | 1,32 x 10 ⁻³ | -0,19 |

*U: Use

Ulrich Sieberath

Signature of the Institute Manager,
ift Rosenheim GmbH

Bernd Strufe

Signature of the verifier



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 DAP-PL-0808 99
DAP-ZE-2288 00
TGA-ZM-16-93-00
TGA-ZM-16-93-60