

Order – EPD Float/TSG/LSG – Version 2017

Name of the company : _____
Street: _____
Postcode/Town: _____
Contact person: _____
Membership number (BF/ift) _____



Please send the contact form as well as a company logo in good resolution to nachhaltigkeit@ift-rosenheim.de

Question 1: Product definition / scope

This Environmental Product Declaration is only valid for Flat glass, toughened safety glass and laminated safety glass, which are defined as follows:

- **Flat glass (FG)** refers to both uncoated and coated float glass. Float glass is a clear, flat soda lime silicate glass with parallel, fire-polished surfaces, in some cases bearing metal-oxide-based coatings to modify the radiation (thermal insulation and/or solar control) properties of the glass.
- **Toughened safety glass (TSG)** consists of a single pane that has been specially heat-treated to give the glass increased impact resistance. If the glass breaks under exposure to a high load, it disintegrates into very small fragments without forming sharp edges.
- **Laminated safety glass (LSG)** consists of at least two glass panes lying one on top of the other, with one or several layers of a tear-resistant, viscoelastic film positioned between the panes, which consist of polyvinyl butyral (PVB).

I hereby confirm that I have read the product definition and the scope of this EPD and that my declared product corresponds to the product description and scope!

Yes

Note:

This EPD is only valid for products that fulfil the described scope. For the Preparation of EPDs for products beyond that, please contact ift Rosenheim.

Question 2: Product manufacture:

- **Float glass (FG):** The raw materials are introduced as a mixture into the furnace where they are melted at a temperature of approx. 1,560 °C, generally using gas as an energy resource. The glass is shaped by distributing the mass of liquid glass over a bath of molten tin. The glass sheet is then cooled evenly and cut to size.
Coated glass is float glass that has been coated with a metal-oxide-based coating using various processes (sputtering, evaporation, pyrolytic processes). The coating is a few atom layers thick.

- **Toughened safety glass (TSG):** In the manufacture of TSG, float glass is heated to its transition temperature (min. 640 °C) and then rapidly cooled. This causes the surfaces of the glass to cool and contract faster than the remaining material. This creates additional compressive strength in the surfaces that makes the resulting glass tougher.
- **Laminated safety glass (SSG):** For the manufacture of LSG, a PVB film is placed between the panes of glass and these are pressed together in an autoclave under the action of heat and pressure.

I hereby confirm that my manufacturing processes of the declared product correspond to the described production processes.

Yes

Note:

This EPD is not valid for different production processes. To prepare an EPD valid for you, please contact the ift Rosenheim.

Question 3: Production site:

I hereby confirm that the production sites of the declared products are located in Europe.

Yes

Note:

This EPD is only valid for production sites in Europe. For further questions please contact the ift Rosenheim.

Question 4: Quality assurance (optional):

Would you like to provide information about the quality assurance? Is an external monitoring or quality assurance available?

E.g. Quality assurance accordingly

- ift QM333 für ESG
- ift QM332 für VSG
- ift QM334 für ESG-H
- ift QM335 für TVG

Yes

No

Note if Yes: The information must be confirmed by the verification of valid documents! Please attach this.

If No, in the document appears "No information from the manufacturer".

**Question 5:
Management systems (optional):**

Are management systems verified?

- Quality management system according DIN ISO 9001
- Environmental management system according DIN ISO 14001
- Occupational health and safety management system according OHSAS 18001
- Energy management system according DIN ISO 50001

Yes

No

Note if Yes: The information must be confirmed by the verification of valid documents such as certificates! Please attach this.

**Question 6:
Deklarationspflichtige Stoffe:**

Are substances and formulations used in accordance with the REACH regulation?

Yes

No

Note if Yes: Appropriate verifications must be attached.

If No, no declarable substances and formulations according to the REACH candidate list are contained.

**Question 7:
Processing recommendations (optional):**

Would you like to make processing recommendations or information on the installation for the declared product?

E.g., the planning and assembly is carried out in accordance with the RAL Guideline "Planning and assembly of windows and external doors".

Yes

No

If No, in the EPD appears "No information from the manufacturer".

Bestellung – EPD Float/ESG/VSG – Version 2017



With the return of the questionnaire, a contract is concluded between the manufacturer and the **ift** Rosenheim GmbH. This contract is based on the [general terms of use](#) for online services, the [special terms of use](#) for the preparation of EPDs, the [general terms and conditions](#) of **ifts** Rosenheim and the conditions and instructions for the use of [ift test documentation](#) (including the ift logo and pictogram as well as the EPD logo). The price per EPD is 407 euros for BF/**ift** members and 613 euros for non-members (plus 19 % VAT).

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I hereby confirm the above conditions.

Place, Date

Signature