

# ift-Product Passport

Heat soaked thermally toughened soda lime silicate safety glass (TSG-H) as per EN 14179-2 : 2005-08



No. 603 8002966-1-2e

12-001782-PR02 (PP-H04-11-en-01)

Valid until July 2015

Client **PRESS GLASS SA**  
**Nowa Wies**  
**Kopalniana 9**  
**42-262 Poczesna**  
**Poland**

Production plant **PRESS GLASS SA**  
**ul. Cielmicka 44**  
**PL 43-100 Tychy**


Product family 1 **Heat soaked thermally toughened uncoated float glass**

Product family 2 **Heat soaked thermally toughened enamelled float glass**

Product family 3 **Heat soaked thermally toughened coated float glass**












Product designation **ESG-H (TSG-H)**

Mechanical resistance **EN 14179-1** 

Fragmentation **EN 14179-1** 

## Performance Characteristics

(as per EN 14179-2 Annex ZA.1)


| Characteristics | Resistance to fire   | Reaction to fire   | External fire behaviour  | Bullet resistance  | Explosion resistance   | Burglar resistance  | Pendulum body impact resistance |
|-----------------|--|--|--|--|--|---|---------------------------------|
| Class / Value   | <br>npd | <br>A1      | <br>npd     | <br>npd     | <br>npd | <br>npd | npd                             |
| Characteristics | Thermal shock resistance   | Resistance to wind, snow and permanent and imposed loads                                       | Sound reduction index  | Thermal properties   | Light transmittance and reflectance  | Solar energy characteristics  |                                 |
| Class / Value   | $\Delta T=200K$  | <br>4-19 mm | <br>$R_w^*$ | <br>$U_g^*$ | <br>npd | <br>npd |                                 |

npd = no performance determined

<sup>\*</sup>) Value depends on product configuration

ift Rosenheim  
 28. August 2012

  
 Christian Kehr, Dipl.-Ing. (FH)  
 Head of  
 Certification & Surveillance Body

  
 Karin Lieb, Dipl.-Ing. (FH)  
 Head of Testing Department  
 Building Material & Semifinished  
 Products

  
 Alexander Meister, Dipl.-Ing. (FH)  
 Operating Product Officer  
 Certification & Surveillance Body

### Basis

EN 14179-2 : 2005-08 Glass in building – Heat soaked thermally toughened soda lime silicate safety glass – Part 2: Evaluation of conformity

ift Certification Scheme - Heat soaked thermally toughened soda lime silicate safety glass (QM334)

Product Passport No. 603 8002966-1-2 dated 06.08.2012  
**Instructions for use**

The ift product passport demonstrates the general performance of the designated product families – determined on the basis of testing, calculation or assessment.

The values / classes indicated refer to the specific objects described in the individual evidence/certificates

Implementation of the performance characteristics is subject to the relevant national technical rules and regulations.

This product passport forms the basis for issuing the ift Certificate of Conformity which documents conformity of the end products and of factory production control by regular third party control of the manufacturer by the ift Rosenheim. The product passport is valid for 3 years provided that the above-mentioned basis or the products do not change significantly during this time.

### Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

### Contents

The product passport comprises a total of 15 pages:

- 1 Overview, product family Heat soaked thermally toughened TSG-H 2
- 2 Classification matrix as per EN 14179-2 3
- 3 Product families and components 4
- 4 Performance characteristics as per product standard EN 14179-2 10
- 5 Special instructions for use 15