



Transportation technology

Glazing for more safety.

With tailor-made glass products for the international traffic market, SCHOLLGLAS group meets the requirements of multifaceted design glazing technology, from functional glazing to complete system solutions.

Due to the complex requirements for safety, technical functionality and comfort, our customers – manufacturers of railed vehicles, vehicle operators, cabin construction, ship builders etc. – can rely on our customary technical competence and flexibility for individual solutions.

For the development of our emergency entry and exit system GEWE-therm® rail exit SCHOLLGLAS group was awarded with the **Innovation Award of German Economy**. GEWE-therm® TPS rail exit is a patented emergency entry and exit system:

- In destroyed condition, room closure remains intact
- Fast access for rescue personnel
- Easy exit for passengers
- Minimal risk of injuries due to shard binding

Our production sites for rail glass are certified as Q1 suppliers of Deutsche Bahn AG as well as according to DIN/EN 9001.

GEWE-composite® –

The solution for innovative mobile light construction

GEWE-composite® is an innovative special laminated safety glass that provides the following advantages:

- Considerable weight reduction up to 30%
- High breaking resistance and residual bearing capacity
- Integration of connecting elements feasible
- A maximum of design freedom in construction and dimension due to a new cold-curved glass



GEWE-therm® rail exit



SCHOLLCONSISTENT:COMPETENT:TRANSPARENTGLAS



Design glasses in the interior



Yacht glazing with GEWE-sol® PV



GEWE-sol® PV as a shading element

Our service range: Glazing for railed vehicles, buses, ship building and special vehicles

Safety glazing

(toughened and laminated safety glass)

GEWE-dur®, GEWE-dur®-H, GEWE®-tv, GEWE-safe®

Insulating glazing

with heat and sun protection coating

GEWE-therm®, GEWE-therm TPS®

Special glazing

- **GEWE-therm® rail** multiple pane insulating glass for railed vehicles
- **GEWE-therm® rail exit** emergency entry and exit system
- **GEWE®-sol PV** glazing in combination with solar modules
- **GEWE-safe®** EVSG security mirror, BN 918511/protection according to EN 45545-2 : 2013
- **GEWE®-mirror** mirrors of various types
- **GEWE®-mirror spy** a so-called "Feeler gauge" mirror
- **GEWE®-bend** curved toughened safety glass
- **GEWE®-fire** fire protection glass
- **GEWE®-pure vision** one- or both-sides antireflective glasses
- **GEWE-clean® Nanocoating** for glass surfaces with 5 years warranty
For interior applications according to the product and care instructions
- Front screens according to UIC 651/EN 15152
- Ship glazing according to DIN 614

Design glazing

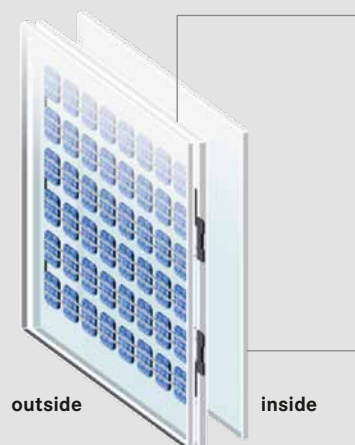
with various surface structures

Screen printing and laser technology, depending on the design of technical and visual requirements

Our Standard – International Standards

- BN 918511, Standard (DB AG)
- ECE-R 43, European vehicle standard
- NF F 31-129 toughened glass, French standard
- NF F 31-250 laminated safety glass, French standard
- NF F 31-314 insulating glass, French standard
- DIN EN 12150 / DIN EN 14449 / DIN EN 1279
- DIN EN 614 / UIC 651 / EN15152
- DIN EN 45545-2:2013
- Other standards on request

Construction GEWE-sol® PV



photovoltaic-laminate

- solar optimised whiteglass, toughened safety glass/heat strengthened glass (optionally GEWE-clean®-coating, outside)
- crystalline silicon cells (encapsulation with PVB, EVA on request)
- toughened safety glass/heat strengthened glass
- interspace of glass panes with spacer and inert gas (Argon/Krypton)

toughened safety glass respectively laminated safety glass (with low-E-coating)



SCHOLLGLAS GmbH
Schollstraße 4 · D-30890 Barsinghausen
Tel.: +49 (0) 5105 777-0 · Fax: +49 (0) 5105 777-118
www.schollglas.com

