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*„The Crystal“ Nykredit Bank Copenhagen:
curtain wall with 2,000 GEWE-safe® glasses*

GEWE-safe® Safety glass for all areas

Laminated safety glass represents a high level of safety, versatile functionality in the most various of application areas and simultaneously retains the aesthetic visual appearance of the glass. GEWE-safe® provides the solution to many architectural challenges.

The GEWE-safe® laminated safety glass usually consists of two or more panes of glass complete with intermediate layers manufactured from highly tear-proof, clear transparent polyvinyl butyral films (PVB). The glass and the films are bonded into an inseparable unit in an autoclave at high temperature and with high levels of pressure (EN 12543). In the event that the glass breaks, almost all of the broken fragments would adhere to the PVB films and the panes remain in the frame as a complete unit.

In order to prevent chips or fragments to fall off in the event of breakage, the façade glazing is increasingly manufactured from laminated safety glass. The GEWE-safe® can even be used for point-retained glazing systems – usually comprising of tempered panes of glass.

Application areas of GEWE-safe®:

- Overhead glazing
- Parapets and railings
- Façades / windows / display windows
- Sports complexes
- Partition walls
- Accessible glass
- Floor-to-ceiling glazing
- Glazing of animal cages, open-air enclosures, aquariums
- Doors in various designs
- Glazing in banks, military compounds or in business buildings



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In noise insulation glazing areas, GEWE-safe® will be processed with special noise insulating films and can then be used as overhead glazing, can be used with point retainers, can also be used as structural glazing systems or as safety barrier glazing. The fitting as GEWE-dur® safe-Alarm is possible will all laminated safety glass

types. The use of coloured laminate safety films enables a large amount of innovative solutions that permit architects, designers and engineers to use glass in functions, colours and application that previously were not thought of as possible.



Indoor application: GEWE-safe® trend –
The laminated glass with coloured PVB film.



Outdoor application: Noise protection walls

The technical characteristics of GEWE-safe®:

GEWE-safe® variations	<ul style="list-style-type: none"> • LSG manufactured from float glass • LSG manufactured from 2 x TSG** • LSG manufactured from 2 x HSG** • LSG-accessible • Creative laminated glass (Coloured films, printed films) • LSG polished plate
Glass thickness of the individual panes	2 mm to 19 mm
Dimensions*	Minimum: 400 mm x 250 mm Maximum: 2.800 mm x 6.000 mm
Maximum package strength	78 mm
Design	Via individual grinding and screen printing techniques
Verification	<ul style="list-style-type: none"> • All glazing is visibly and durably labelled accordingly • Self / External monitoring
UV Absorption	The applied films absorb the UV rays from the sun and protect the goods that are located behind the films

* Standard dimensions, variations are available upon request

** With and without ceramic screen printing

Examples of labelling:



The main protective functions offered by GEWE-safe®:

- Injury protection
- Safety barriers
- Burglary and escape restriction
- Noise protection



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