

# Safe Glass



- ✓ available thicknesses of ESG glass: 4, 6, 8, 10 mm
- ✓ available thickness of the VSG glass pane: 6.38 mm (33.1) - 28 mm (in various configurations)
- ✓ can meet certain safety conditions in accordance with EN 356 and EN 12600
- ✓ a wide range of safety glass units

**Laminated and / or toughened panes increase safety. Their resistance to puncture or shattering is adjusted to the customer's requirements.**

**VSG glass** (German: Verbund Sicherheits Glas, meaning: **laminated safety glass**), effectively reduces the risk of burglary or theft. If broken, debris remains attached to the film, making it unlikely to be injured people around. Polyvinyl butyral (PVB) film also makes it harder to break through the glass.

Possibility to order protective glass meeting the EN 356 standard with PVB foils, which can be characterized by the resistance class P1A with the use of 33.2 glass, up to P8B with the use of 28mm thick VSG safety glass.

**ESG glass** (German: Einscheiben Sicherheitsglas, i.e. **toughened safety glass**). Thanks to the toughening method, the glass is characterized by increased resistance to shattering or breaking, as well as resistance to temperature changes. However, if it breaks, it breaks the glass into small particles with blunt edges, which minimizes the risk of injury.

**Safety glass**, depending on the selected thickness, is characterized by a different class in accordance with EN 12600 and / or EN 356.