

Laminated glass

Open joint-stock company GOMELGLASS

2018 - up to 3 million square meters of glass in a year

It is impossible to imagine a stylistic image of modern buildings without using of any kind of glass like a building material. Modern architecture requires an installation of specially designed secure high-tech glass. Such a decision is a usage of laminated glass (triplex). The volume of manufacturing and application in building this kind of glazing grows all over the world. Thanks to its unique characteristics it provides maximum protection of a man, because when this glass is broken its pieces don't fly apart, but stay on a gluing layer.

The process of lamination is a linking of two and more sheets of glass using polyvinylbutyral film by high-temperature and pressure in a bonding autoclave. This method of item assembling allows to realize any design solutions by the combination of glass of different types and thicknesses with different colors films in a one multilayer sheet.

The manufacturing of new products sets up on the basis of Lisec high-volume Italian equipment. It is based on a film technology which is implemented with the help of autoclaved method.

OJSC "GomelGlass"

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Safety

Provides high-grade security, because when this glass is broken its pieces don't fly apart, but stay on a gluing layer.

Manufacturability

In contrast to normal tempered glass, annealing-transmitted, laminated glass can be cut, drilled a hole and handled an edge.

Reliability

Laminated glass is many times resistant to deformation and mechanical loads. Using of different grade of protection films allows to produce crashworthy and bulletproof glass.

Universalism

A wide range of colors and thicknesses of laminated glass is the basis for various reliable and safety project decisions.

Durability

Laminated glass is reliable in operation, abrasion-resistant, corrosion-resistant and atmospheric condensation-resistant. It has color fastness, durability, optical glass transmittance and other quality attributes during the whole period of a building exploitation.

Soundproofing

Sound isolating characteristics of an inner binding layer make laminated glass an efficient sound isolating material. It can reduce an impact of undesirable sounds efficiently and has increased soundproofing.

Operation factors

The minimum size of glass

500x800 millimeters

The maximum size of glass

3210x6000 millimeters

The thickness of multilayer glass

From 6 to 60 millimeters

The thickness of film

0,38 millimeters, 0,76 millimeters, 1,14 millimeters, 1,52 millimeters

The use

- In a building for glazing surfaces (external facades, balconies and lodges, window frames, glass roofing and rooftops);
- In interior decorations of buildings;
- In cases of public buildings entrances and lobbies decorations;
- In cases of interoffice partitions, doors and fencings decorations;
- For manufacturing glass flooring, stair steps and staircase glazing;
- In case of glazing commercial pavilions and stop complexes;
- For manufacturing multiple glass panes;

- For soundproofing of apartment blocks along high-speed highways, airports and railway main lines;
- For manufacturing pieces of furniture and decoration;
- For manufacturing shower cabins;
- For manufacturing aquariums;

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