

GENERAL RECOMMENDATIONS FOR INSTALLATION AND MAINTENANCE OF INSULATING GLASS UNITS

SAINT-GOBAIN POLAND SP. Z O.O. GLASSOLUTIONS BRANCH IN JAROSZOWIEC

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1. Protection of glass edges against moisture – mounting frames should allow continuous air circulation for the glass and prevent build-up of moisture or water.
2. Protection of glass edges against direct UV radiation – this concerns insulated glass units (IGUs) sealed with polyurethane or polysulphide, as well as laminated glass units. The edges of such products should be permanently installed in a frame.
3. Protection against chemical agents – installation materials used (such as silicone, pads, seals etc.) should be neutral to the glass, PVB film and IGU sealants. The recipient should receive a guarantee from the supplier of such materials about their neutrality towards the components of Glassolutions products. Technical information on the components used by Saint-Gobain Polska Sp. z o.o. Glassolutions Branch in Jaroszowiec is available at the company's main office. In case of special products –PVL/E-glass - glass panels with an electrical function, the fitting instructions must be strictly adhered to (installation manual, technical report), paying particular attention to the materials used and the fitter's qualifications.
4. Protection against mechanical factors – the structure in which products manufactured by Saint-Gobain Polska Sp. z o.o. Glassolutions Branch in Jaroszowiec are to be fitted should be designed by authorised specialists at Saint-Gobain Polska Sp. z o.o. The Glassolutions Branch in Jaroszowiec recommends that glass panels are fitted in structures which have been granted technical approval.
5. The structure and type of glass should be adjusted to the conditions on site.
6. Georgian Bars and other decorative components may interfere with the properties of glass units, for which Saint-Gobain Polska Sp. z o.o. Glassolutions Branch in Jaroszowiec accepts no liability.
7. Fitting of capillary tubes and other devices within the structure of the glass unit voids any warranty regarding glass integrity. Such devices are mounted at the sole liability of the customer and must be agreed-upon in writing.
8. Glass storing – all products should be stored in dry, ventilated rooms. In case of storing products at the construction site, they should be protected from adverse weather conditions (especially sunlight and moisture), as well as mechanical damage. Products stored on racks should be separated with dividers to prevent glass leaching in case of contact with moisture.

Moreover, glass panels placed and secured on a rack exposed to sunlight (or other heat source) may break due to heat accumulation and glass expansion. Cracks caused by thermal stress appear in case of sudden glass temperature changes. The risk of thermal cracking increases if products are fitted in partial shade, if glass panels are used as a supporting structural structures (for example supporting posters or furniture), in case of using curtains, applying film on the glass, or if there are heaters or ventilation devices directed at the glass panels, as well as in case of using so-called outer muntins. Thermal cracks may also appear if glass panels supplied on racks are exposed to strong sunlight – such cases are not covered by the warranty.

Insulating glass units which have not been fitted in window frames yet (glass panels stored on racks) cannot be stored in direct sunlight.

NOTE!!! Glass panels are secured with belts only for transport. After unloading the products, security belts must be loosened in order to prevent thermal cracking.

9. Cleaning glass panels – use soft materials without sharp edges to avoid scratching the surface. Use glass cleaning detergents available on the market. Detailed information can be found in “Glassolutions General Glass Cleaning Manual”. Additional restrictions or recommendations may apply to some products.

Additional information

Additional information can be found in the Qualitative Criteria for Insulating Glass Units.

