

INSTRUCTIONS FOR GLAZING FIRE-RESISTANT GLASS

Pyrobelite & Pyrobel, which are products of AGC, are multi-laminated glass units made from float glass and assembled with a clear intumescent interlayer - "gel".

The interlayers are sensitive to the following:

1. UV radiation
2. Water
3. High temperature

With the aim in mind of protecting the Pyrobel, it is necessary to comply with the following procedures.

1. Protection from UV radiation

- The protection consists of a double PVB foil.
- In the case of external glazing or that of internal glazing when the glass is exposed to UV rays, it is necessary to use the following:
 - *Pyrobel EG* - Pyrobel for outdoor glazing, which contains a double PVB foil,
 - Double glazing using laminated glass with a double PVB foil, e.g., 33.2.

2. Protection from water

- The edges of each glass unit of Pyrobel are secured by a special aluminum tape which protects against dampness and water. In the case of Pyrobel glass, all the edges are covered by this special aluminum tape.
- The tape must not be damaged! Please pay attention to this fact during the transportation and installation.

3. Protection from the action of high temperature

- Temperature on Pyrobel < 50°C.
- Do not install Pyrobel in a place where the temperature exceeds 50°C (e.g., radiators, halogen lighting, etc.).
- Particular attention should be paid to the double glazing units for external use where the outer pane is of a highly absorptive type (for example: coloured glass). In such cases, please contact your supplier and pass on information regarding the parameters of the double glazing unit, its construction, place of installation, possible "blinds" etc. to enable calculations regarding the temperature for Pyrobel.

4. Transport and storage

- Transportation must be carried out in a "covered" truck. Pyrobel cannot be exposed to UV radiation, high temperatures, or dampness. During transportation, it is necessary to make sure that the tape on the glass edges is not damaged.
- Storage: in a dry place with temperatures < 25°C.

5. Installation

- Certificates and technical approvals are issued for fully comprehensive systems of glass partitions, i.e., glass and constructions are submitted to fire protection tests. Installation, maximum parameters of glass, and the possibilities of applying each double glazing unit are defined by the Technical Approvals.