



Pyrobel / Pyrobelite

Glazing and handling guidelines

1. GLAZING INSTRUCTIONS

1.1 Mounting

As the Pyrobel glass is part of a fire-resistant element, it is the responsibility of the users to ensure that the element as a whole satisfies the current regulations and to obtain the approval from the competent authorities.

AGC Glass Europe disclaims all liability should Pyrobel be installed in unapproved or faulty construction.

For further information, please refer to “Glazing instructions” of AGC Glass Europe.

1.2 General rules

Always refer to the fire test reports.

- avoid all glass to metal contact;
- do not exercise any restraint on glass;
- do not damage the glazed edges nor the protection tape;
- use hardwood setting blocks or equivalent; (Shore hardness A 75)
- provide an edge clearance of 4-5 mm;
- provide a lateral clearance of 4-5 mm;
- provide a rebate depth of minimum 20 mm;
- keep the rebates dry and free from aggressive products (acids, organic solvents ...)
- do not allow any contact of the glazed edges with water;
- apply a neutral silicone joint or dry gasket immediately after glazing
- Vision Line glazing should always be sealed within the same day that it is placed in the frame and care should be taken to ensure that the silicone seal completely encapsulates the glass edges including the edge bevel

1.3 Outside glazing

In addition to general rules for inside glazing:

- Use an external grade structure with a UV filter, correctly orientated.
- Use a drained and ventilated frame.



Picture 6.1 – Water attack defect



Picture 6.2 – Water attack defect

- Do not install Pyrobel in a location where the glass temperature might exceed 50°C.

2. TRANSPORT, STORAGE AND HANDLING

- In a dry, sheltered and well ventilated place, not exposed to solar radiation;
- At temperatures between -40 °C and +50 °C;
- If in cases: these shall always remain vertical during transport and storage. In no way shall the case be placed horizontally;
- If stored on racks:
 - the feet and the back must be covered with appropriate material in order to avoid mechanical scratches;
 - the back should be slightly inclined (6° to 10 ° from vertical) with the feet being at 90° to the back of the rack;
 - the Pyrobel units shall be supported over their full surface, that prevent the glass from bending;
 - soft spacers shall be placed between each unit ;
 - no more than 20 units per stack
- The cases or loose glass must always be handled upright
- In the case of on-site storage:
 - care should be take to avoid the formation of condensation on the surface of the glass as exposure to humidity will damage the intumescent layer of Pyrobel glass
 - glass must not be left exposed to direct sunlight and local weather
 - the Pyrobel cut to size units shall be supported over their full surface, in order to prevent the glass from bending;
 - the installation conditions and the frame must be dry during the entire glazing
 - the sawing or edge modification of delivered glass is not allowed

3. CLEANING AND MAINTENANCE

Normal cleaning procedure of installed glass:

- Use ordinary detergents sold for this purpose.
- Rinse the glass thoroughly and dry.
- To maintain the condition of the glass, sealants and framing materials, no abrasive products may be used and acid solutions must be avoided, especially those containing chlorine, fluorine or alkalis.
- The user is responsible for the good maintenance in order to ensure the tightness of glazing sealant