



# National Federation of Glaziers

## *Excellence and Integrity in Glazing*

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### **A GUIDE TO SECURITY GLAZING**

**Security Glazing Glass:** For enhanced security, sealed units may incorporate toughened or laminated glass in their double or triple glazing. These safety glasses offer additional protection against burglary. However, they present a challenge for fire escape. Exiting through a locked window with toughened glass requires a glass punch, while laminated glass poses even greater difficulties for both entry and exit. Since 2002, Building Regulations have mandated the installation of fire escape windows in all habitable rooms, excluding kitchens, utility rooms, and bathrooms.

If safety glass is used for extra security, it's crucial that all windows comply with fire escape provisions as outlined in Part B of the Building Regulations.

**Locks:** Contemporary double and triple glazed windows typically feature espagnolette locking with keep vents. Additional security can be achieved by specifying shoot bolts and dog bolts. These enhancements, along with security hinges, offer significant resistance to even the most persistent burglar.

**Glazing Systems:** Windows and doors can be glazed from the inside (internal glazing) or the outside (external glazing). Internal glazing involves installing glass units with beads inserted from inside the frame, while external glazing involves beads inserted from outside. Both methods are secure if security tape or glass locks are used with external beading. Internally glazed windows tend to have smaller glass areas.

If you have any questions or require impartial advice, please feel free to contact us.