



IGC Fire Resistant Glass Datasheet

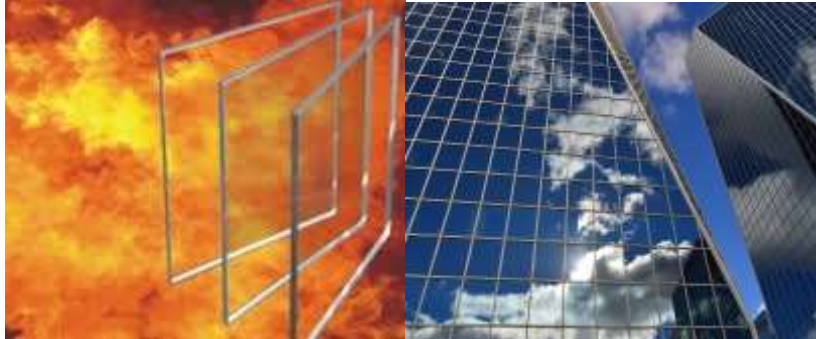
Fire resistant glazing may be used as a barrier for the fire separation or compartmentation as part of an integrated fire safety strategy for the building.

Both integrity-only and integrity with insulation ratings are available.

Products span the range of standard test times of 15, 30, 60, 90, 120 and even 180 minutes according to either BS 476-22, BS EN 1364-1 or BS EN 1634-1, as well as special types to resist the higher intensity petrochemical fire test curve

Fire resistant glass must only be used as part of a fire resistant glazed system – which includes the glass, the glazing seal, beads, fixings and frame. All essential components of such a system must be compatible under fire conditions, and the performance must be referenced to appropriate and relevant test evidence.

Fire Resistance Class	Approx Thickness	Internal or External
E30	6mm	Internal
E60	13mm	Internal
EI15/EW30	11mm	Internal
EI30	15mm	Internal
EI45	19mm	Internal
EI60	23mm	Internal
EI90	37mm	Internal
EI120	52mm	Internal
EI15/EW30	10mm	External
EI20/EW30	14mm	External
EI30	19mm	External
EI45/EW60	19mm	External
EI60	27mm	External
EI90	40mm	External
EI120	54mm	External



Fire resistance classes

E Physical barrier

EI Physical barrier against flames, hot gases and smoke, as well as thermal isolation

EW Physical barrier against flames, hot gases and smoke and reduces heat radiation

Contact IGC for more information.

**Overall glass makeup thickness and weight depends on glass processor*

**Maximum sizes available on request*