

Northern Express Glass Ltd. Fire Control



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Glass is now firmly established as a fire protection material worldwide. Advances in glass products and manufacturing technology mean that today's range of fire resistant glasses offer the architect and specifier the ability to create a beautiful and safe environment for all of us. At first glance it would seem that glass is not the ideal material for forming a barrier to fire. It has a reputation for being fragile and unable to cope with localised stresses. So, although it is incombustible and makes no contribution to the fire itself, on exposure to heat it breaks at relatively low temperatures, falling from its framing and allowing the passage of fire.

By selecting one of our fire resistant glasses these natural tendencies can be fully overcome.

Vertical Glazing Go to 1 Sloping or horizontal glazing Go to 13 Integrity only required Go to 10 Period of fire resistance – 30 mins Go to 3 Period of fire resistance – 90 mins Go to 8 Period of fire resistance – 120 mins Go to 8 Period of fire resistance – 120 mins Go to 8 Wires are acceptable Go to 4 Unwired glass required Go to 6 Clear Vision is required Pyroshield safety clear Obscuration is required Pyroshield clear Wires are acceptable Go to 4 Unwired glass required Pyroshield clear Wires are acceptable Go to 6 Clear Vision is required Pyroshield clear Wires are acceptable Go to 4 Unwired glass required Pyroshield clear Wires are acceptable Go to 4 Unwired glass required Pyroshield clear Wires are acceptable Go to 5 Steel frames Go to 9 Wires are acceptable Go to 5 Unwired glass required Frames Not possible Period of fire resistance – 30 mins Period of fire resistance – 120 mins Go to 12 Timber frames Steel frames Not possible Steel frames Steel frames Steel frames Not possible Steel frames Steel frames Steel frames Steel frames Not possible Steel frames Steel frames Not possible Steel frames Steel frames Steel frames Steel frames Not possible Steel frames Somm Pyrostop insulating unit ** Period of fire resistance – 30 mins Period of fire resistance – 30 mins Period of fire resistance Somms Pyrostop insulating unit The Period of fire resistance – 120 mins Not possible Period of fire resistance – 120 mins Not possible Sultation and integrity required Pyrosheld Insulating unit Insulation and integrity required Sultation and integrity required Sultation Sultation and integrity required Sultation Sulta	Step	Requirement	Option	Solution
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		Insulation and integrity required		22mm Horizontal Pyrostop*

^{*} Horizontal version is either 15 or 21mm Pilkington Pyrostop with 6mm Pilkington Toughened Safety Glass laminated to the upper surface.

For internal applications only

^{**} External grade Pilkington Pyrostop must be used if daylight or sunlight can strike the glass.