



Georgian Wired Glass
Pilkington Pyroshield™ 2



PILKINGTON
NSG Group Flat Glass Business



Pilkington Pyroshield™ 2 Traditional Georgian Wired. Tried. Tested. Trusted.

Pilkington and fire protection

Pilkington has a formidable track record in fire-resistant glass, being at the forefront of innovation since 1896 with the introduction of wired glass. We continue to lead developments, combining the best of traditional technology with the new. Through our focus on R&D we continue to strive for fit-for-purpose products that can be relied upon in a fire. That is why our current range of fire-resistant glass not only meets regulatory guidance and new European standards but also keeps in touch with the latest insurance and industry needs, as well as developments in the practice of risk-based design.

Introducing

Pilkington **Pyroshield™ 2** is a monolithic glass containing an integral wire mesh within the body of the glass. It offers reliable and robust integrity fire-resistant performance in a wide range of applications, including doors, screens, fanlights and overhead glazing. It can be used in internal and external situations. Pilkington **Pyroshield™** is a recognised name, with a good track record in fire testing, offering exceptional value for money. That is why it is still one of the most popular of fire-resistant glass types.

- Pilkington **Pyroshield™ 2** Safety Clear
- Pilkington **Pyroshield™ 2** Texture

What is integrity fire-resistance?

BS EN 13501-2: 2007

“Integrity is the ability of the element of construction that has a separating function, to withstand fire exposure to one side only, without the transmission of fire to the unexposed side as a result of the passage of flames or hot gases.”

Pilkington Pyroshield™ 2 and fire safety

The function of the wire mesh is to hold the glass together when exposed to fire, which it does reliably and robustly until the glass melts. Pilkington **Pyroshield™ 2** is therefore an ideal fire-resistant glass for use in glazing along, and giving access to, escape routes, in accordance with the underlying principle for UK fire safety, allowing prompt escape before conditions become untenable.

Product benefits:

- Available in clear or textured versions, for vision or obscuration respectively
- Readily available, and easy to handle, stock, cut and glaze
- Pilkington **Pyroshield™ 2** Safety Clear suitable for use in fire and non-fire applications where an impact safety classification is required
- Fire performance not sensitive to edge cover
- Wires act as a visual deterrent to would-be intruders
- Maintains integrity when sprayed with water (unlike many fire-resistant glass types)

Summary:

- Well recognized fire-resistant glass
- Approved for 30 minutes in a range of popular fire-resistant glazing systems with various sealants
- Applicable to a wide range of different screens and doors, both timber and steel systems
- Independently tested and approved by UK notified bodies
- Certifire Certificate CF 718
- Pilkington **Pyroshield™ 2** Safety Clear tested and approved for 60 minutes integrity in timber frames, in specified sizes and glazing systems

Note:

Pilkington **Pyroshield™ 2** Texture must not be used in impact safety critical locations larger than 0.5 m² in area and where the smallest dimension is over 250 mm e.g. door panels and side panels.
Reference Approved Document N.



Choosing the right glass for your application

It is extremely important that the right product is specified for the right application. Our highly experienced specialist sales and technical teams can give you all the help and guidance you need, right from the outset. A range of support materials are also available to assist you along the way. For further details please e-mail us at pilkington@respond.uk.com or phone our helpline on 01744 692000.

Systems thinking

Fire-resistant glass must be correctly installed, with the appropriate glazing materials in a suitable fire-resistant frame, as approved. For the right choice of framing system and glass, make sure you tell us the nature of your application at the specification stage.

Pilkington commitment

We run continuous test programmes on our own test furnaces to evaluate and research developments in fire-resistant glazed systems, as well as regularly carrying out external tests to develop the range of plate sizes, glazing and system options. We also carry out our own internal product testing for other properties, such as impact, solar and acoustic insulation. This is backed by a major investment in technical resource and commitment that is only possible from a company of our size, reputation and experience.

Thermal safety checks

It is recommended that a thermal safety check is performed for external applications, for example, sloping installations or when used in Insulating Glass Units (IGUs) or secondary glazing.



Handling & Storage

- Store glass in dry conditions, out of direct sunlight, stacked upright and fully supported to prevent the glass from sagging or slipping
- Glass should be stood on edge, on strips of wood, felt or other relatively soft material
- Care should be taken to protect the glass, especially the edges, from impact damage (knocks, abrasions and excessive local pressure)
- Upon receipt and before glazing, each plate should be checked for damage. Damaged glass should not be glazed
- Water must not be allowed to reach the edges of stacked glass as it can be drawn between the plates by capillary action, causing surface deterioration
- Glass on site must be protected from contamination (such as welding material, cement, plaster or adhesives)

Handling and glazing details are available at www.pilkington.co.uk/pyroshield2 or through our customer contact centre

Pilkington Specifire

Pilkington Specifire is our online fire-resistant glass selection guide. It can guide you in making the right choice. Pilkington Specifire also takes you to copies of the main Pilkington fire test summaries. You can access Pilkington Specifire at www.pilkington.com/specifire.

For further details please e-mail us at pilkington@respond.uk.com or phone our customer contact centre on 01744 692000.



This publication provides only a general description of the products. Further, more detailed information may be obtained from your local Pilkington Building Products supplier. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, code of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington and “Pyroshield” are trademarks of Nippon Sheet Glass Co. Ltd.

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