

Pilkington Building Products - UK

Pilkington Building Products - UK manufactures a wide range of float, coated, rolled, laminated and toughened glass products as well as its own range of high performance insulating glass units including Pilkington **energiKare™** - energy efficient glazing which reduces the amount of heat lost, while also allowing more energy from the sun through the window. Glass is distributed to customers, either as stock or as bespoke processed products to meet their needs, direct from St. Helens or through our network branches countrywide.

The company is highly focused on quality and service, continually improving to deliver the benefits of Pilkington's technical ability and innovation to the end user. Pilkington glass products offer a wide range of properties from fire-resistance to thermal insulation and sound reduction to safety. We are constantly developing new technologies to take glass even further and our comprehensive testing regimes not only mean all our products meet the latest regulations but also that you can be sure of Pilkington quality, whatever glass you specify. To help you choose the right glass for your particular project the range is categorised by product benefit.

These include:

- Solar Control
- Noise Control
- Decoration
- Special Applications
- Self-Cleaning
- Safety / Security

Together with:

Thermal Insulation see also www.pilkington.co.uk/activ

The Pilkington **energiKare™** allows you to get all your energy saving requirements from one source. From new homes to older traditional buildings, you can now provide better energy ratings in a wide range of different properties.

- Pilkington **energiKare™** - reduces the amount of heat lost through windows and allows more heat from the sun in, an effect known as solar gain. Pilkington **energiKare™** achieves this using two special types of glass, Pilkington **K Glass™** and Pilkington **Optiwhite™**
- Pilkington **energiKare™** Triple - the choice for the best possible window energy rating performance. These high performance triple-glazed units optimise the balance between U values and g values to maximise the energy efficiency
- Pilkington **Spacia™** - using advanced technology, this is the world's first commercially-available vacuum glazing. It allows the manufacture of thin glazing which can be fitted in new and existing, old-style fine frames, maintaining the aesthetics of older, traditional buildings

Glass Systems see also www.pilkington.co.uk/planar

Pilkington **Planar™** the world's leading structural glass system opens up vast possibilities enabling the creation of complete glass envelopes for buildings with frameless façades on any plane. Support structures, located internally or externally, can use glass mullions, a conventional steel construction or the revolutionary Pilkington **Planar™** Tension Structure design, to be as subtle or dominant as appropriate. Pilkington engineers, working with DuPont scientists have combined their leading edge technologies to develop the ultimate in strength, safety, durability and appearance in laminated structural glass and are now able to offer - the **Planar™** | SentryGlas® System which is ideal for roofs.

Fire Protection see also www.pilkington.co.uk/fireresistant

A range of fire-resistant glass is available offering varying levels of protection, which is measured in terms of integrity (the time the glass remains intact in a fire) and insulation (the amount of time the glass will limit the temperature rise on the non-fireside). It should be noted that fire-resistant glass should always be specified as part of a complete glazing system, and installation carried out by specialists in order to ensure it achieves its expected fire performance.

Pilkington **Pyroshield™ 2** is a monolithic wired glass that provides integrity classification for fire protection even in timber frames. This range includes Pilkington **Pyroshield™ 2** Safety Clear, a clear safety option for vision areas, and Pilkington **Pyroshield™ 2** Texture offering a textured non-safety option for obscuration.

Pilkington **Pyrodur®**, Pilkington **Pyrodur®** Plus (integrity with some insulation) and Pilkington **Pyrostop®** (integrity and insulation) comprise multi-laminated layers of float glass and clear intumescent material which produce an opaque shield on exposure to fire which limits the transmission of conductive and radiant heat.



CPD Seminars

Pilkington Building Products - UK currently offer four Online RIBA Approved CPD Seminars:

Seminar 1 Glass for Fire Resistance

- Effects of heat on glass
- Integrity & insulation explained
- When to specify fire resistant glass
- The products available in the market

Seminar 2 Glass for Energy Management

- How clear, tinted & coated glass types are manufactured
- Emissivity - what it is & its role in controlling heat loss through glazing
- Solar heat transmission - how different glass types & their coatings work in controlling solar heat gain
- The physical limitations imposed by the solar spectrum (light vs heat)
- The products available in the market

Seminar 3 Glass & Structural Glazing Systems

- Brief history of glass in architecture
- Explanation of the design principles & components involved
- Understanding of typical production & manufacturing routes
- Typical applications & support structures
- Testing, Health & Safety considerations

Seminar 4 Self-Cleaning Glass

- Provides details regarding manufacture & technology of self-cleaning glass
- Understanding of products available in the market
- Design implications discussed
- Installation procedures & site conditions considered

Visit: <http://www.pilkington.co.uk/cpd> for more details

