

Pilkington **Optifloat™**

High quality float glass

The highest standards from manufacture to delivery

Pilkington **Optifloat™** Clear is the name of our high-quality colourless or tinted float glass with an unrivalled environmental pedigree. Choosing Pilkington **Optifloat™** Clear ensures exceptional quality.

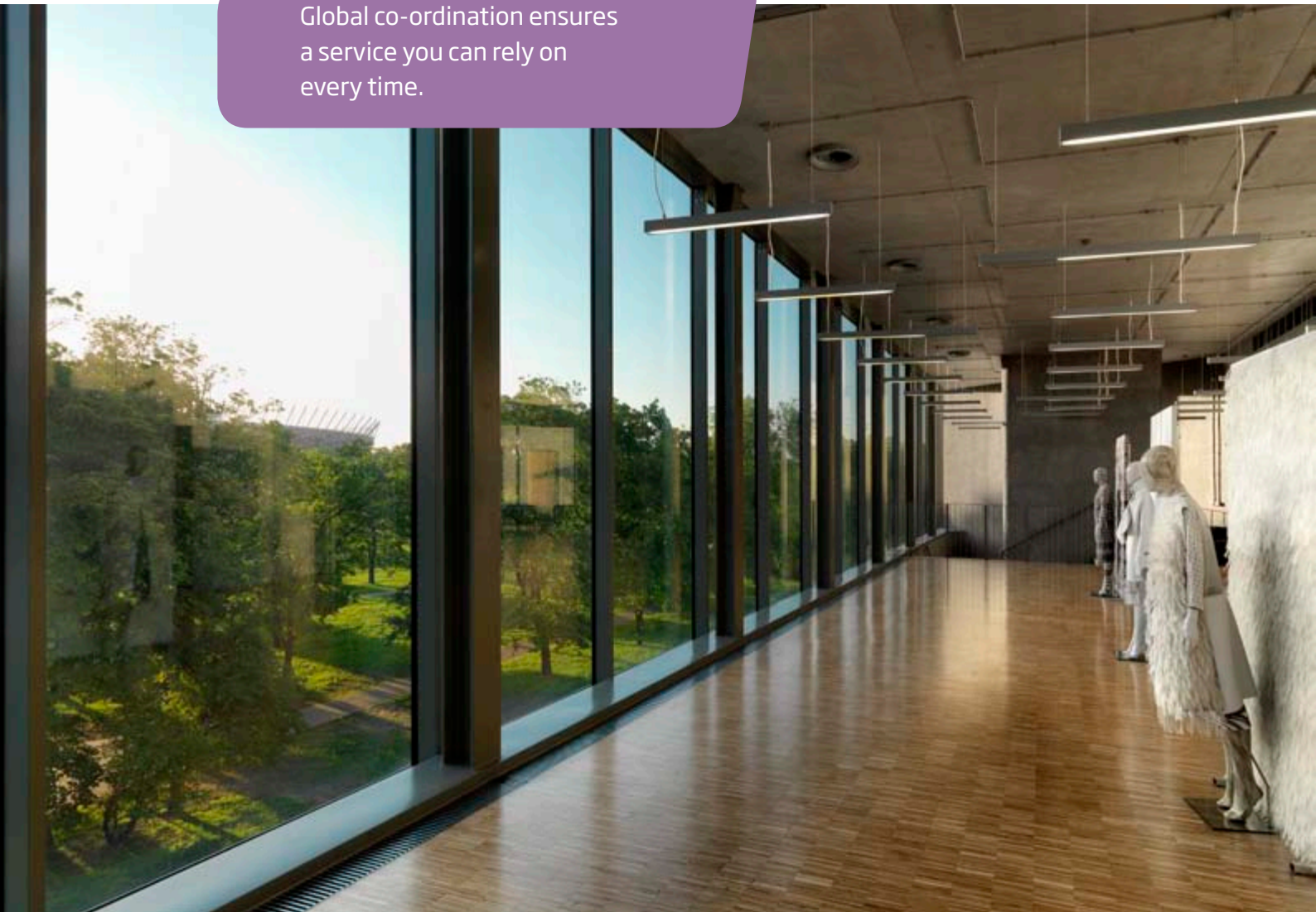
Pilkington **Optifloat™** Clear is a high-quality annealed float glass. It is transparent, of uniform thickness with brilliant, fire polished surfaces. The glass is free from distortion making it ideal in applications where the requirement is for clear, undistorted vision.

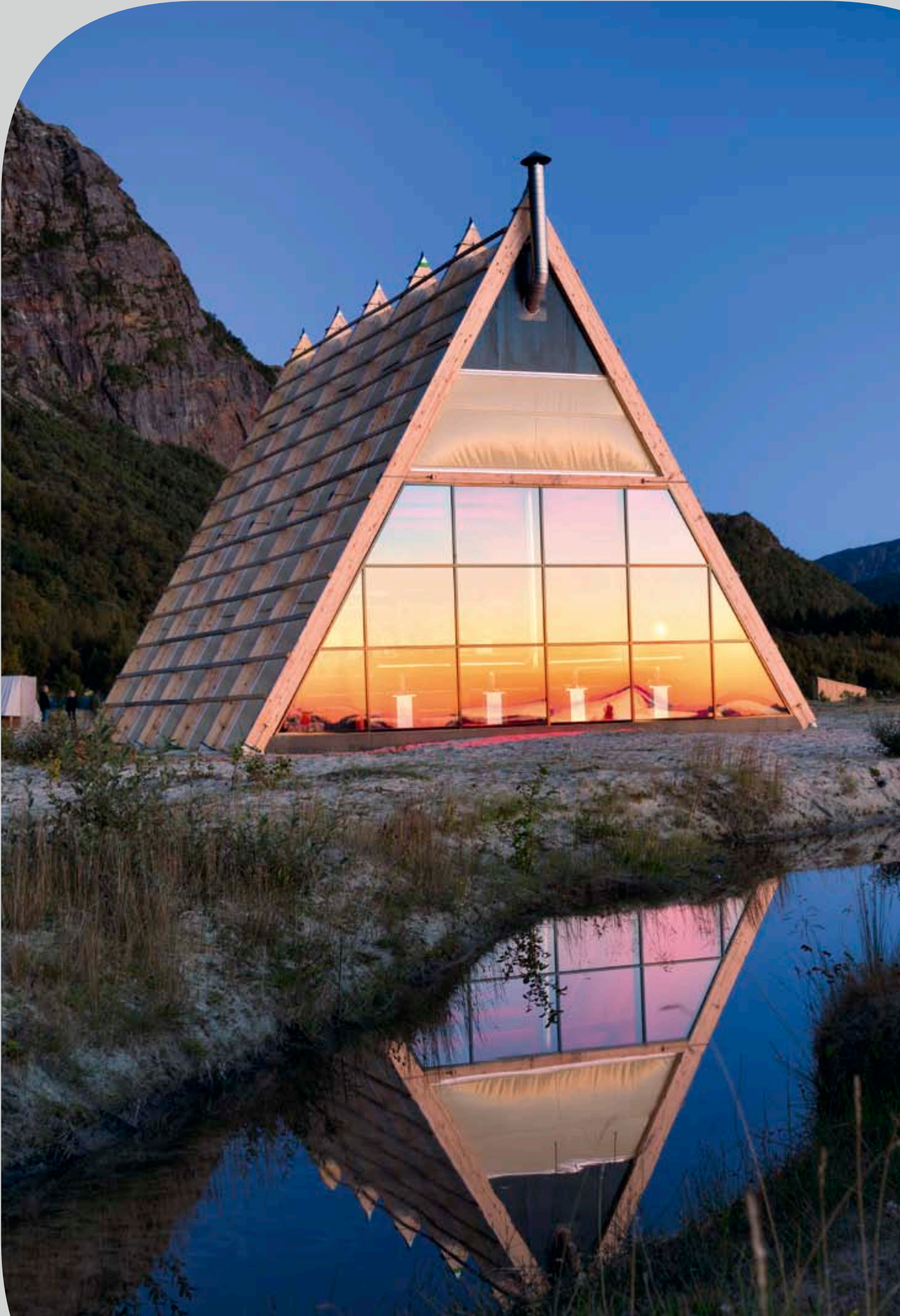
All Pilkington **Optifloat™** manufacturing processes meet the European standard EN 572 part 2 requirements. We constantly monitor our performance to ensure it meets the standards you should expect from NSG Group.

Our float plants and sales teams are spread throughout the world. This guarantees the convenience of a local service with the reassurance of a global company, and with product supply co-ordinated by the most modern computer systems, you can rely on getting what you need, where and when you need it.



Global co-ordination ensures
a service you can rely on
every time.





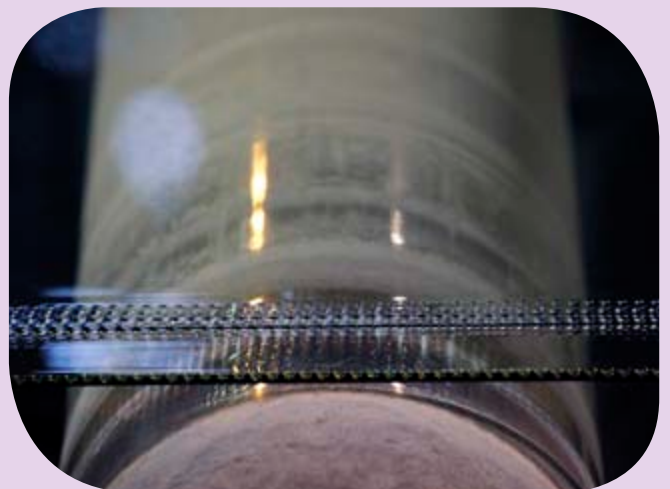
Pilkington **Optifloat™**

The highest quality float glass, with unrivalled environmental pedigree.

Clarity. Quality. Consistency.

The float process was invented by Sir Alastair Pilkington in 1952 in St Helens, England. It revolutionized the glass industry around the world.

The process, originally able to manufacture only 6 mm thick glass, can now make it as thin as 0.4 mm and as thick as 25 mm. Molten glass, at approximately 1000°C, is poured continuously from a furnace onto a shallow bath of molten tin where it floats and spreads out to form a level surface. Thickness is controlled by the speed at which the solidifying glass ribbon is drawn off from the bath. After annealing (controlled cooling) the glass emerges as a 'fire' polished product with virtually parallel surfaces. A technologically advanced glass defect detection system at an early stage of production eliminates the possibility of defects in the glass delivered to the customer.



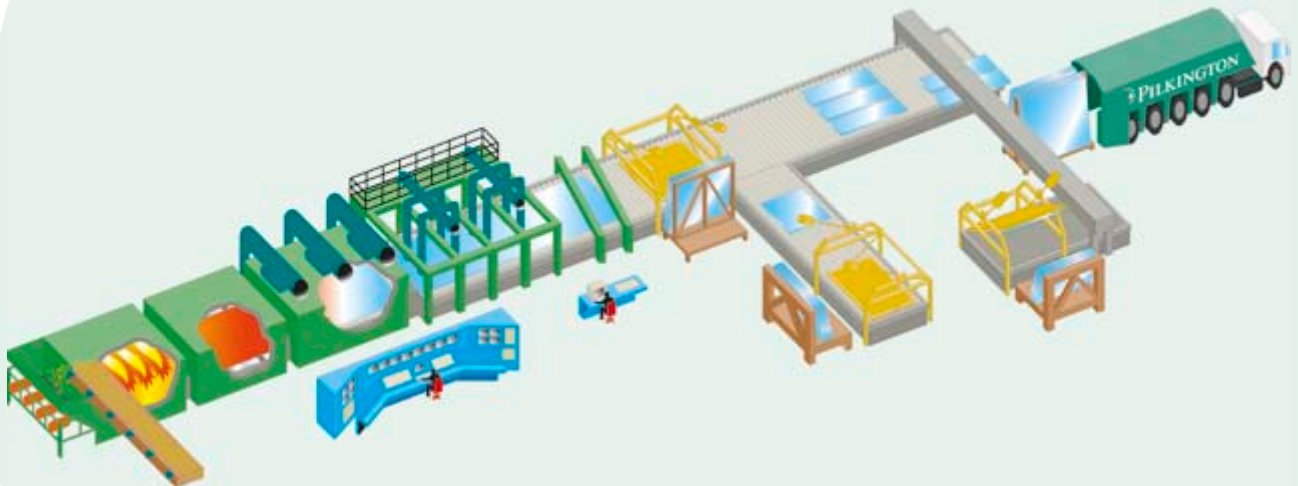
An unrivalled heritage in float glass

Few materials have had as big an effect on our living and working environments as glass. The invention of the float glass process in 1952 enabled efficient production of large quantities of high-quality glass for the first time.

Although float glass production has since been licensed across the globe, NSG Group has constantly developed and improved the process to produce glass that is both of the highest quality and available in a wide range of sizes and thicknesses – allowing it to be used in virtually limitless applications.



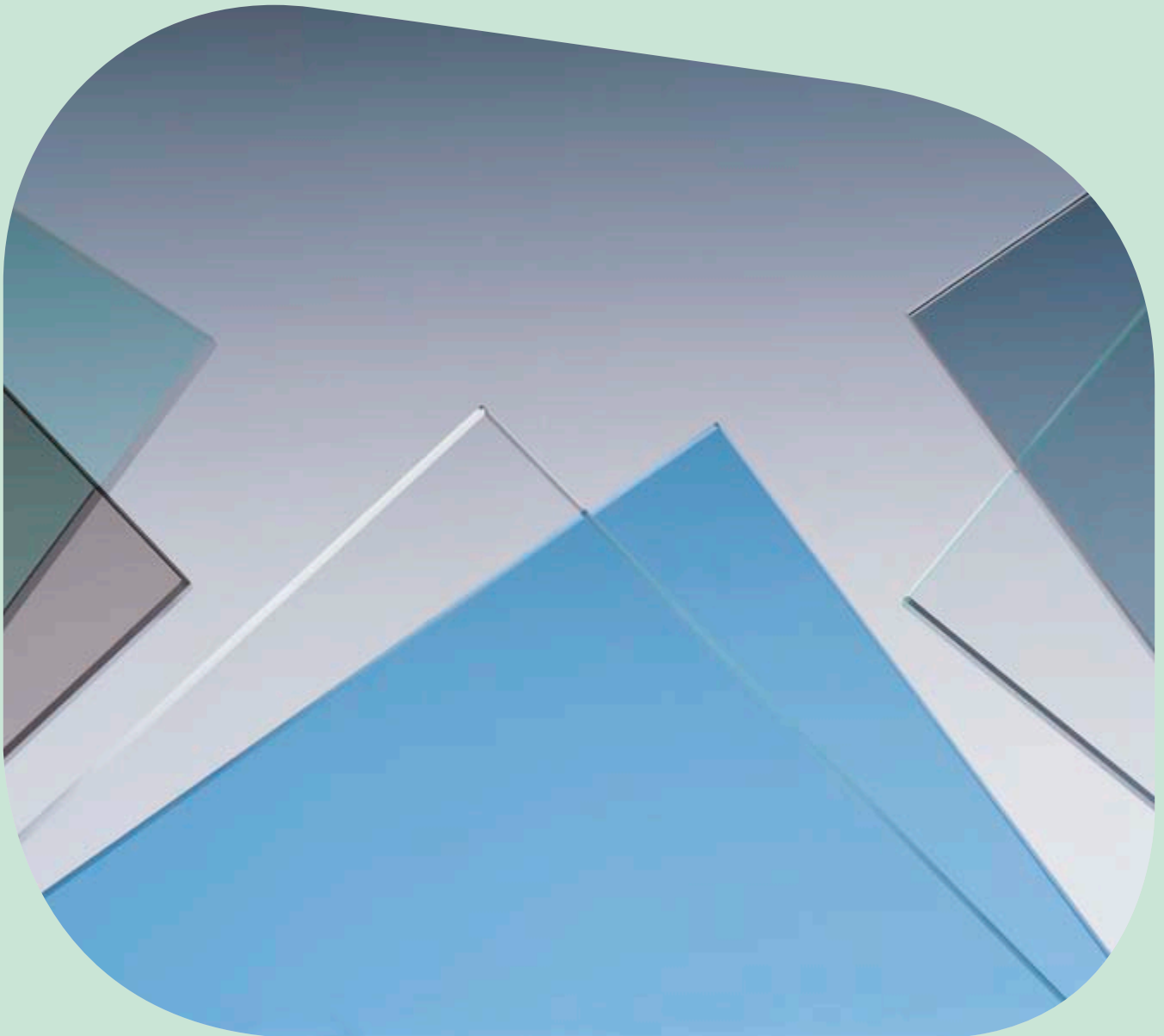
NSG Group is a technology leader in glass. The float process invented by Sir Alastair Pilkington is used throughout the world to produce high quality glass for buildings and vehicles.



A diversity of uses and advantages

Product features

- Wide range of thicknesses from 2 to 25 mm.
- Can be used in insulating glass units in combination with other glass products.
- Can be toughened and laminated for safety and security glazing.
- Suitable for acid etching, bevelling, screen printing and decorating with materials such as lead and coloured film.
- Can be silvered to produce mirrors or coated with low-e, solar control or other functional coatings.
- Specially tinted Pilkington **Optifloat™** saves man-made energy, controls solar energy and gives a striking visual effect.
- Pilkington **Optifloat™** meets the increasing demands for light in today's workplace, creating more attractive interiors with a greater feeling of space.
- In both homes and the workplace, Pilkington **Optifloat™** offers a practical, stylish alternative to traditional materials in screens, partitions and furniture.
- Pilkington **Optifloat™** gives designers the freedom to create attractive modern environments that are also economical and easy to maintain.
- Pilkington **Optifloat™** is a specially developed float glass with none of the usual tint apparent in 'clear' glass, making it suitable for use in applications from façades to furniture. It also offers superior performance in terms of higher light transmission and greater solar heat transmittance.





An environmental edge

Pilkington **Optifloat™** benefits you, while minimising damage to the environment. It is totally recyclable and reflects the environmental stance of NSG Group.

Our environmental and social performance is important to our business success. We have a clear commitment to sustainable development. Our Sustainability targets are consistent with our overall strategy and seek to move our performance forward in a number of important areas relevant to our Sustainability agenda.

Although glass manufacture is energy intensive, our products can make a major contribution to energy conservation and power generation. We are working hard to reduce waste, minimise resource consumption and carbon emissions in our manufacturing processes, whilst improving the energy saving capabilities of our products during their life cycle.

The combination of Pilkington **Optifloat™** and NSG Group expertise gives you the perfect environment.

The NSG Group float glass plants in Europe meet the stringent demands of international standard ISO 14001.

Through the implementation of forward-thinking environmental policies, it has cut waste to one fiftieth of the manufacturing industry norm, and reduced emissions and water consumption.

It is a standard that we are applying to all our float plants, worldwide.



This publication provides only a general description of the products. Further, more detailed, information may be obtained from your local supplier of Pilkington products. 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, codes 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, "Optifloat" and "Optiwhite" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



CE marking confirms that a product complies with its relevant harmonised European Norm.
The CE marking label for each product, including declared values, can be found at www.pilkington.com/CE



Pilkington Group Limited
European Technical Centre
Hall Lane – Lathom Nr Ormskirk L40 5UF – United Kingdom
marketing.communications@nsg.com
www.pilkington.com

August 2019