

Scheuten® multifunctional insulating glass

Isolide®





Scheuten

see it. feel it

**With its over 50 years of experience, Scheuten Glas is a specialist in the field of high-performance glass products. Quick and efficient customer service is provided at factories and offices in the Netherlands, Belgium, Germany and France. Scheuten glass products play a major role in ensuring comfortable, exceptional and safe working and living. All products and services meet the highest safety and guaranteed quality requirements and standards, enabling you to build with confidence in the knowledge that you can rely on Scheuten Glas personnel and products.**

#### **Constructive collaboration**

You are able to rely on a specialist partner who thinks along the same practical lines as yourself. Architects, project developers, façade constructors, interior design experts, building contractors and housing corporations are guaranteed high-quality modern materials and services. Jointly with Scheuten, you are certain to come up with the best solution. Scheuten Glas Projecten can even undertake the entire project for you, including the installation.

#### **Varied product range**

Scheuten Glas stands for efficiency, product knowledge, innovation, reliability and wide product range. Quality is guaranteed throughout, from the float glass production stage to delivery of the end product. Research and Development experts are continuously looking to modernise processes and products. The comfort of a perfectly insulated house, the peace and quiet provided by an acoustically insulated area, safety in the event of a fire or threat, sun protection, exclusive design and solar power efficiency – all of these material advantages you can safely offer your customers.

#### **Isolide® Concept**

The Scheuten Glass Isolide® concept covers a range of thermal-insulation glazing with an unprecedented number of features and areas of application. All glass products of this type are manufactured on the basis of a controlled system involving modern production techniques, committed specialists and European standards and quality levels. Applications range from a simple window to a fully glazed façade or roof. Isolide® is a quality product in the extensive Scheuten product range, enabling many variations and combinations to be achieved.

Quality features of Isolide®:

- Excellent insulating value, resulting in optimum comfort
- Energy saving and efficiency through extensive quality programme
- Available in a large variety of special applications

Discover the advantages of Isolide® for your projects...

The multifunctional power of Isolide® as used in this building. Isolide® Brilliant 63/32 used as solar-control glazing , with laminated safety glass

added where needed. This guarantees protection against falling through.

*PBIC-52 Degrees, Nijmegen*

**Scheuten Isolide® – the power of insulation !**

**Thermische isolatie**

*Isolide® Plus, Isolide® Superplus HR++ glass*

The new generation of Isolide® HR++ glass enables large areas of external glazing to be combined with proper thermal insulation and a pleasant internal environment. The heat-reflective coating provides excellent insulating properties (low U value) without affecting transparency. Isolide® HR++ glass is energy-efficient and environmentally friendly and provides additional comfort for residents and users.

**Solar control**

*Isolide® Sun, Isolide® Brilliant*

Solar-control glazing prevents excessive heating of large glazed façades and therefore restricts cooling and air-conditioning costs. Isolide® Sun is available in a wide variety of colours ensuring design functionality and character. Isolide® Brilliant has a neutral coating providing an ideal combination of high levels of natural lighting, sun protection and thermal insulation. The possibilities for transparent façade design are legion and climate control and internal environment considerations do not apply.

**Building efficiency increased by using Isolide® Brilliant. The neutral solar-control insulating glass keeps out sun heat, maintains building transparency and enables larger areas of glass to be used.**

*Multifunctioneel centrum, Amsterdam*



**Isolide® Safe with injury prevention glass provides both comfort and safety.**

**This building provides a perfect balance of maximum insulation and striking design. Isolide® Superplus insulating glass is used in combination with Isolide® Colorsafe window breast panels.**

*Multifunctioneel centrum, Amsterdam*

**The practical versatility of Scheuten glass used in office building. On the left, solar-control Isolide® Brilliant and, on the right, single full-cover Colorsafe® glazing.**

*Plaza Arena, Amsterdam*

**Fire-resistance**

*Isolide® Pyrosafe®*

Isolide® also provides effective fire protection in combination with Pyrosafe®, which in its single version is intended for internal applications such as windows, doors and dividing walls. In the form of insulating glass, it is suitable for many external applications. The unique character of Pyrosafe®, ensuring maximum fire protection with thin glazing and large dimensions, provides a broader range of design options.

**Acoustic insulation**

*Isolide® Phon*

Isolide® Phon is a heat and sound insulator. The application of a shrewd combination of glass thicknesses, cavity width, gas filling and intermediate layers provides a solution for every type of soundproofing. Isolide® Phon may be used with other types of glass to combine soundproofing with specific design and solar control features.

**This office is protected by Isolide® fire-resistant insulating glass. Safety level maintained for large and irregularly designed areas of glazing.**

*GIP, Schipholrijk*



**Isolide® Phon provides effective sound insulation for this project.**

*Brussels Airport, Brussel*



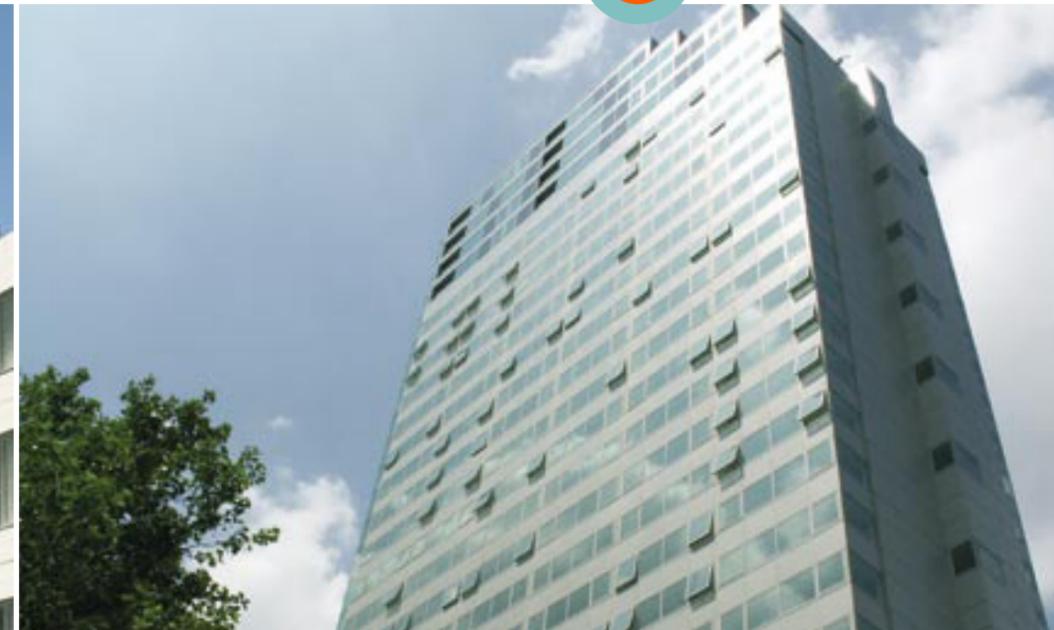
**Sound insulation, fire resistance and safety play an important role at airports. The insulation function of Isolide® combined with the efficient fire protection provided by Pyrosafe®.**

**Isolide® Phon is a special soundproof insulating glass system which improves living conditions and ensures the necessary peace and quiet.**

*Project GIS 2, Zwanenburg*

**Isolide® Sun provides solar control for this residential tower in London. Scheuten Glas guarantees both product quality and reliability of supply, flexibility and expert advice.**

*Aragon Tower, Londen*



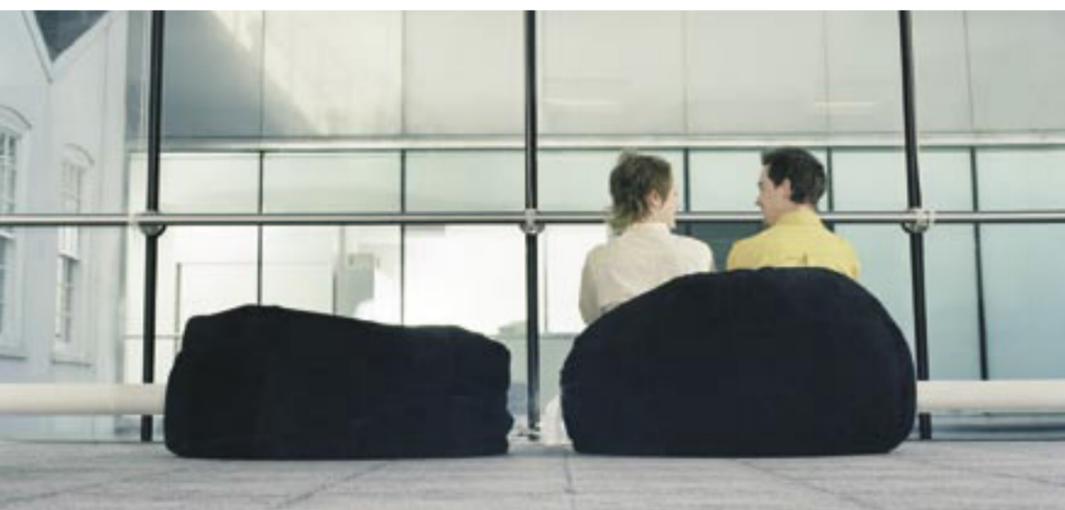
**Design**
*Isolide® Colorsafe, Isolide® Colorsafe Design*

Insulating glass is highly suitable for coloured printing. Scheuten glass provides optimum optical and aesthetic glazing features for your design purposes.

**Safety and security**
*Isolide® Safe, Isolide® Dur*

Isolide® Safe and Isolide® Dur provide insulation and protection. The safety aspect covers the prevention of injury caused by breaking the glass and protection against falling through. Roof glazing and non-vertical external glazing are subject to strict safety requirements. The security aspect involves active protection against breaking in or out, gunfire and explosion. Isolide® Safe consists of laminated safety and/or security glass. In the event of glass damage, the glass fragments will stick to an elastic PVB film. Isolide® Dur is insulating glass made of toughened safety glass which shatters on breaking, thereby guaranteeing the safety of persons present.

**Three impressions of a building in which a screen print is applied to Isolide® Brilliant. The application of in-house techniques such as screen printing, coating and insulating mean that Scheuten Glas is able to guarantee quality and flexibility of design.**

*TGM, Asten*


**Isolide® Safe is a system of laminated insulating glass providing full protection against the risk of falling through.**



**Isolide® Brilliant 63/32, fixed by structural adhesive system providing a combination of transparency and efficient solar control of large areas of glazing.**

*Zuiderhof, Amsterdam*


**The overall image of the glazed façade is created by a combination of Isolide® Brilliant and Colorsafe® on patterned glass as window breast panels.**

*Zuiderhof, Amsterdam*

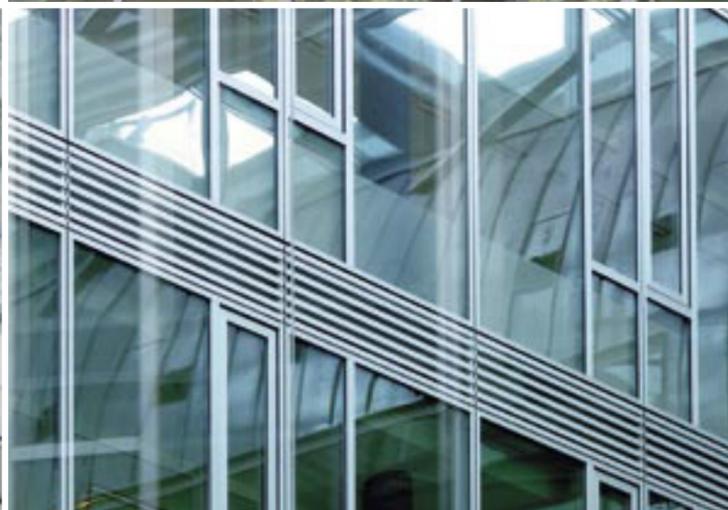
### **Professional support**

Scheuten Glas has considerable experience in the development and manufacture of innovative glazing. Reliable advice and efficient delivery of materials ordered are guaranteed. In addition, you may also choose to have Scheuten Glas experts see to the installation. From the drawing board to the project completion stage, Scheuten Glas is a professional partner on whom you can rely.

**Isolide® Safe provides comfort, light and safety for conservatory users. In the event of breakage, the glass fragments stick to an elastic PVB film, thereby preventing injury or the risk of falling through.**

**Glass is perfectly suitable for printing. The Isolide® insulating glass panels are given a reflective coating and a white etch in order to restrict transparency.**

*Kennedytoren, Eindhoven*



**For a complete overview of product performance, please refer to the Isolide® ID cards in this brochure. [www.scheuten.com](http://www.scheuten.com) for full information on Isolide® and other Scheuten products.**

Scheuten is a fast-growing international company with two divisions: solar and glass. We put people and customers first. Our combination of solar power and glass to create innovative designs is a unique process and the company's durable products help to ensure the welfare and health of customers, consumers, suppliers and staff. The essential feature of the Scheuten brand is its focus on energy, sustainability, growth and life.



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