

SGG OPALIT<sup>®</sup> EVOLUTION

*Lead-free\* translucent enamelled  
glass*

Technical Sheet  
United Kingdom

# SGG OPALIT<sup>®</sup> EVOLUTION

*Lead-free\* translucent enamelled glass*

## Description

SGG OPALIT EVOLUTION is a translucent toughened enamelled glass produced by applying a layer of lead-free\* translucent enamel. This enamel, which is fired at high temperature, is permanently fused to the surface of the glass.

\* < 1000 ppm lead content in the enamel.

## Applications

SGG OPALIT EVOLUTION has a frosted appearance. It is suitable for numerous applications, combining a contemporary appearance with all the advantages of toughened enamelled glass:

- Partitions, shower screens, framed or unframed doors
- Double-glazed units, translucent spandrel panels
- Street furniture, signage
- Furniture (tables, office furniture, shelves, cupboard doors etc).



*Palace Concept, Principality of Monaco Agence Peter Jöhnk  
Architect : B. Blank*

## Advantages

### *Environmentally friendly*

The use of lead-free and cadmium-free enamels protects the environment and ensures the glass is totally recyclable.

### *Soft colour options and privacy effects*

SGG OPALIT EVOLUTION transmits light and provides protection from direct view. The frosted appearance can be coloured to create stylish designs and effects.

### *Exceptional durability and safety*

SGG OPALIT EVOLUTION has all the properties of toughened enamelled glass with a permanent colour.

## Range

SGG OPALIT EVOLUTION is available in 3 pastel colours: Neutral, Blue and Green.

The colours may be applied using screen-printing in order to create coloured or non-coloured translucent patterns (SGG SERALIT EVOLUTION OPALE).

Thickness, dimensions and weight	
Thickness (mm)	Maximum length (mm)
6	3300
8, 10, 12	3300

### *Please note*

The colours may vary slightly according to the thickness of the glass: to obtain a uniform colour, a single thickness of glass should be used for each elevation of run glazing. Likewise, there may be a very slight variation in colour between two production runs. It is therefore advisable to source the product for a project from the same production campaign.

## Processed Product Variations

SGG OPALIT EVOLUTION can be assembled into double-glazed units (SGG CLIMAPLUS DESIGN) for increased thermal insulation.

## Fixing Guidelines

### **Installation**

SGG OPALIT EVOLUTION must be installed in accordance with current national regulations. In single glazing, SGG OPALIT EVOLUTION can be channel-glazed, adhesively-glazed, bolted or clamped. Care must be taken to avoid glass-to-glass and glass-to-metal contact. When sheets of SGG OPALIT EVOLUTION are installed side by side there must be a minimum space of 3 mm between panes. In the interest of maintaining the original appearance of the product, SGG OPALIT EVOLUTION should not be glazed with the enamelled side on face 1 of the façade.

### **Maintenance**

To maintain its attractive appearance, SGG OPALIT EVOLUTION must be regularly cleaned using neutral agents that do not contain harsh abrasive materials.

## Standards and Regulations

SGG OPALIT EVOLUTION is a toughened glass conforming to standard BS EN 12150.

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