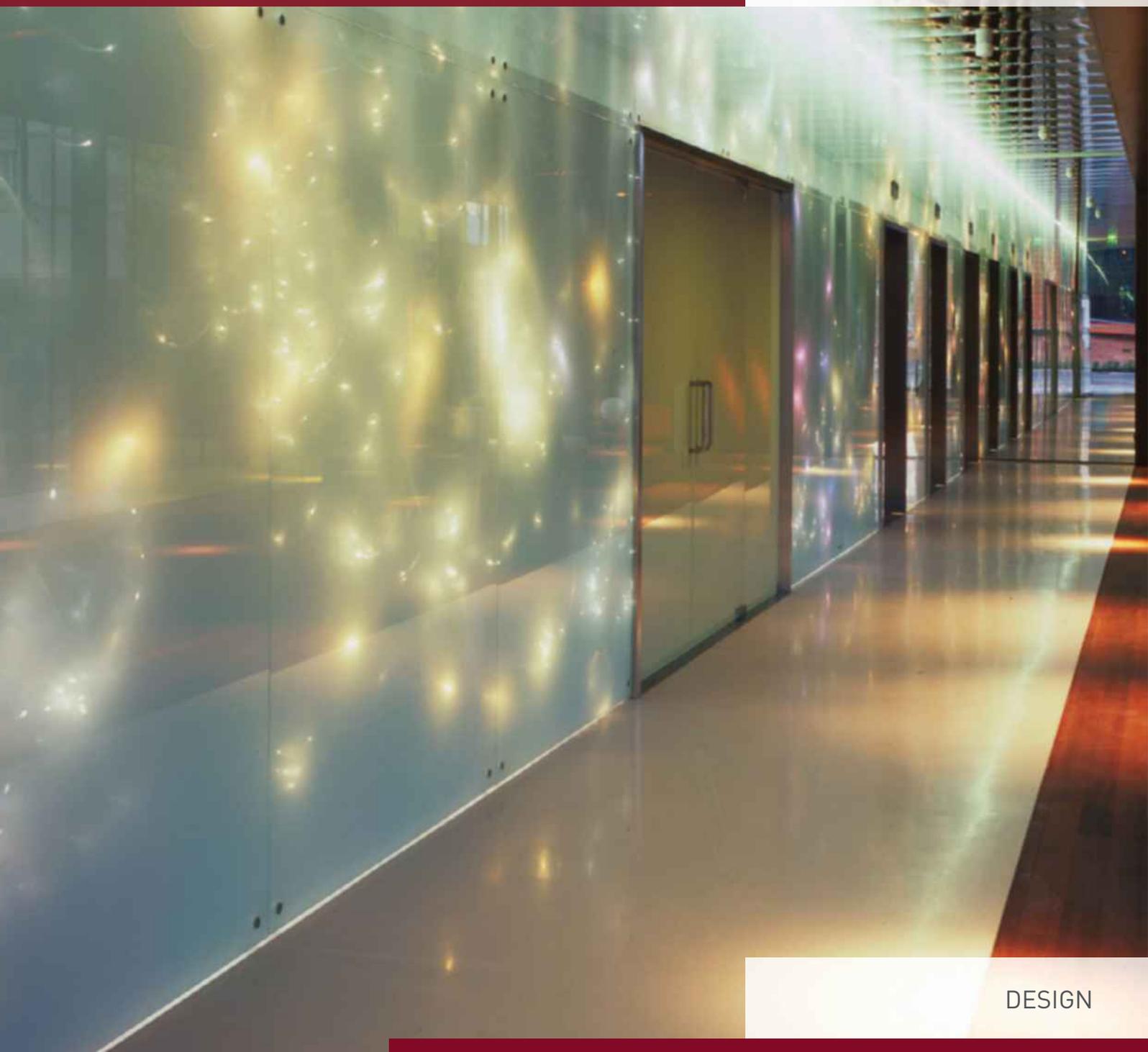


EMALIT EVOLUTION  
SERALIT EVOLUTION  
OPALIT EVOLUTION

Lead-free tempered enamelled,  
tempered screen-printed and  
translucent enamelled glasses



DESIGN

# EMALIT EVOLUTION SERALIT EVOLUTION OPALIT EVOLUTION

## Description

**EMALIT EVOLUTION** is a tempered glass made opaque by enamel-coating one side of the glass.

**SERALIT EVOLUTION** is a screen-printed glass coated with coloured mineral enamel which can be opaque or translucent.

**OPALIT EVOLUTION** is a translucent enamelled glass. Its clear appearance is obtained by coating (fully or partially) a translucent layer of enamel on one side of the glass.

This glass contains no lead, cadmium, mercury or chromium VI. Fired at a very high temperature, the enamel is bonded to the glass surface giving the product exceptional durability over time.

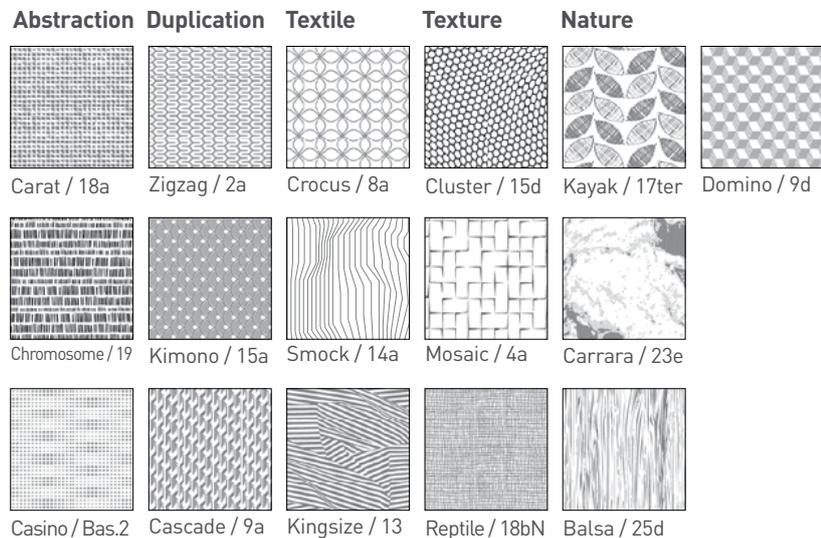
## Applications

The aesthetic and technical features of EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION are perfectly-suited for a multitude of applications. Their colour-range, durability and safety features make them the obvious material of choice for all façades as well as the interior design of residential and commercial buildings. EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION may also be integrated into individual applications.

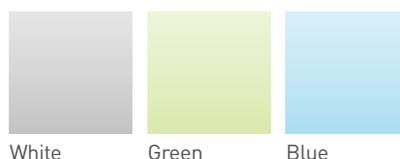
### EMALIT EVOLUTION range



### SERALIT EVOLUTION range



### OPALIT EVOLUTION range



EMALIT EVOLUTION  
SERALIT EVOLUTION  
OPALIT EVOLUTION



- **EMALIT EVOLUTION** is used as a coating in the following applications:
  - façades, frontages or opaque spandrel single and double glazing or embedded in a sandwich panel;
  - interior décor, wall claddings, etc.
- **SERALIT EVOLUTION** is used mainly:
  - in façades and frontages: embedded in double glazing, it reduces the solar factor. The spandrels in EMALIT DESIGN can be perfectly aligned with clear-view glazing displaying the same pattern;
  - street furniture: hard-wearing and protected, a perfect match for urban street furniture, advertising and notice boards and acoustic walls;
  - interior décor doors, partitions, etc. SERALIT EVOLUTION is a decorative glass letting daylight in while protecting privacy.
- **OPALIT EVOLUTION** in many applications combines a frosted design with the benefits of tempered glass:
  - façades and frontages: double glazing (balanced diffusion of light indoors), translucent spandrels;
  - interior décor doors, partitions, etc. OPALIT EVOLUTION lets daylight in while protecting privacy.

# EMALIT EVOLUTION SERALIT EVOLUTION OPALIT EVOLUTION

## Advantages

### • More environmentally-friendly

With no lead or cadmium used in production, EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION products care for the environment and are fully recyclable. The virtual elimination of pollutant waste protects nature and health.

### • Exceptional durability and safety

EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION tempered glass complies with standard EN 12150. They have all the safe and hard-wearing of tempered enamelled products. On façades and frontages or in interior design, the colours remain stable over time.

### EMALIT EVOLUTION façades of full colour

EMALIT EVOLUTION is available in a wide range of colours. To make the most of the extra aesthetic effects, it is possible to enamel different glass supports or study specific shades of colour.

### SERALIT EVOLUTION design and functionality

GLASSOLUTIONS offers customised designs, a broad selection of colours, for numerous original and tailored applications.

On façades, SERALIT EVOLUTION improves the solar control performance of double glazing; the spectrophotometric properties vary according to the pattern's density and colour.

With such a variety of colours and patterns, EMALIT EVOLUTION and SERALIT EVOLUTION offer endless customisable options, not forgetting the possibility to create bespoke colour ways and patterns.

This glazing fits perfectly into building façades, transparent and opaque sections being homogenised.

### OPALIT EVOLUTION ensuring privacy and luminous colours

OPALIT EVOLUTION transmits light while ensuring privacy. Its frosted, satin-finish appearance is available in three shades of colour to create refined façades and interiors.



# EMALIT EVOLUTION SERALIT EVOLUTION OPALIT EVOLUTION

## Range

### EMALIT EVOLUTION

EMALIT EVOLUTION has two ranges, each with its own look, to rediscover the brilliance of glass or to create a reflective effect.

### EMALIT EVOLUTION CLASSIC

Available in a range of 19 standard and customisable colours, EMALIT EVOLUTION CLASSIC features the following glass supports:

- colourless PLANICLEAR;
- extra-clear DIAMANT;
- tinted PARSOL;
- frosted (satin-finished) SATINOVO.

### EMALIT EVOLUTION REFLECT

Available in three shades, EMALIT EVOLUTION REFLECT provides façades with the reflective effect of a sun-filtering glass such as ANTELIO or COOL-LITE ST150.

#### Note

To achieve uniform colour, GLASSOLUTIONS recommends using the same glass thickness for a specific project.

### SERALIT EVOLUTION

SERALIT EVOLUTION comes in two ranges of screen-printed glass for an opaque or translucent look.

### SERALIT EVOLUTION COLOR

Opaque and brilliant, the pattern chosen can be produced in one of the 19 standard colour shades of the EMALIT EVOLUTION CLASSIC range. SERALIT EVOLUTION COLOR is produced using one of the following glass supports:

- clear PLANICLEAR;
- extra-clear DIAMANT;
- tinted PARSOL;
- frosted (satin-finish) SATINOVO;
- ANTELIO, COOL-LITE K, SK and ST150 sun-filter glass.

#### Note

The layer of enamel applied by silk-screen printing is not as thick as the full surface deposition; this means that the shades of SERALIT EVOLUTION will be slightly less dense compared with those of EMALIT EVOLUTION.

### • OPALIT EVOLUTION and SERALIT EVOLUTION OPALE

OPALIT EVOLUTION comes in three colours: natural, blue and green. To meet the aesthetic criteria of certain projects, OPALIT EVOLUTION natural may be produced on extra-clear DIAMANT glass.

The SERALIT EVOLUTION OPALE's screen-printed colours enable translucent, customisable patterns.

#### Note

The colours vary slightly according to the thickness of the glass support. To obtain a uniform colour, one single thickness of glass should be used per project. Similarly, a very slight colour variation may exist between two production runs. It is therefore preferable to use only one production run for any given project.

Please consult your GLASSOLUTIONS site for more SERALIT patterns.

Thickness (mm)	Max. dimensions (mm)			Min. dimensions (mm)		
	EMALIT EVOLUTION*	SERALIT EVOLUTION*	OPALIT EVOLUTION*	EMALIT EVOLUTION*	SERALIT EVOLUTION*	OPALIT EVOLUTION*
4-5	2,200 × 3,600 mm	1,600 × 2,400 mm	-	300 × 300 mm	300 × 300 mm	-
6-8-10-12	2,200 × 3,600 mm	1,800 × 3,600 mm	2,200 × 3,300 mm	300 × 300 mm	300 × 300 mm	300 × 300 mm

\*Consult us for other dimensions and to check product availability

# EMALIT EVOLUTION SERALIT EVOLUTION OPALIT EVOLUTION

## • Manufacturing tolerances:

- deflection tolerances: 3 mm/m;
- tolerances on dimensions: 3 mm;
- max. length/width ratio: 1/8;
- strip slots: on volumes in which one of the dimensions is greater than 1,000 mm.

Please consult us.

## • Made-to-measure

Special production runs are possible with SERALIT EVOLUTION. In this case, the designer will provide samples of colours and/or the graphic items necessary to create the silk screens. Prototypes will be supplied before manufacturing. Once the final product has been accepted, the producer will order additional volume to serve as a reference for extra orders or possible replacements.

OPALIT EVOLUTION is a diffusing product. Its colour may appear more or less pronounced depending on the angle from which the glass is viewed and the type of surrounding light. It is therefore recommended that you make the final choice after checking that the desired aesthetics have actually been obtained. A "life-size" prototype will be made and positioned in its final setting.



# EMALIT EVOLUTION SERALIT EVOLUTION OPALIT EVOLUTION

## Assembly

### SERALIT EVOLUTION and OPALIT EVOLUTION

#### • Comfort

SERALIT EVOLUTION and OPALIT EVOLUTION may be fitted in CLIMAPLUS DESIGN double glazing after a preliminary technical study. Please consult us.

#### • Safety

SERALIT EVOLUTION can be combined with STADIP and STADIP PROTECT safety glass. The screen-printed surface must be placed on the outer side of the assembly.

#### • Design

SERALIT EVOLUTION may be rounded. Please consult us.

### OPALIT EVOLUTION

OPALIT EVOLUTION may be fitted inside insulated glazing to increase thermal comfort.



When products are mounted as a banner, keep a minimum 3mm margin between the two structures. To preserve the original stylish appearance of each product, the glass should not be fitted with the enamelled side (side 1) facing outwards. A Heat Soak heat-treatment Test compliant with standard EN 14179 is always recommended for façades and edge-to-edge or flush fitting.

#### • Gluing

EMALIT EVOLUTION can also be mounted as Structural Glazing, whether as a ventilated sill wall or as a sandwich panel (filler element).

If installed by gluing, make sure the adhesive does not show through.

EMALIT EVOLUTION has not been designed to offer transparency; it should always be fitted in front of an opaque wall.

#### • Maintenance

To preserve all their aesthetic qualities, EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION should be regularly cleaned with neutral agents containing no damaging abrasive ingredients.

## Installation

EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION must be fitted according to current regulations. The recommendations below refer to the fitting of monolithic glass.

#### • Mechanical fixings

EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION can be slotted into the rabbet and bolted in place using glass stops or metal fittings. Every care should be taken to avoid «glass/glass» or «glass/metal» contact.



# EMALIT EVOLUTION SERALIT EVOLUTION OPALIT EVOLUTION

## Performance

Please consult us if you have any questions concerning spectrophotometric values.

## Regulation

EMALIT EVOLUTION, SERALIT EVOLUTION and OPALIT EVOLUTION tempered glass products comply with standard EN 12150.

For some applications, they may be toughened in accordance with standard EN 1863.

Please consult us if you have any specific questions.

OPALIT EVOLUTION also bears a CE label.



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[www.glassolutions.co.uk](http://www.glassolutions.co.uk)

Distributor