

# EMALIT® EVOLUTION

Lead-free toughened enamelled glass



 **GLASSOLUTIONS**  
SAINT-GOBAIN

Your glass. Our world.



## Product description

EMALIT® EVOLUTION is an opaque coloured glass, produced by uniformly enamelling one side of the glass. The new enamels used do not contain any dangerous heavy metals\* (in particular: lead, cadmium, mercury or chromium VI). The enamel is fired at a very high temperature, in order to fuse permanently with the glass

surface, giving the product exceptional durability. EMALIT® EVOLUTION is a toughened safety glass manufactured in accordance with standard BS EN 12150. For certain applications it can be heat-strengthened in accordance with standard BS EN 1863.

## Applications

EMALIT® EVOLUTION is used primarily for external façades in insulated spandrels or cladding panels in non-vision areas for an aesthetically clean appearance. Uniform facades or contrasting features can be created, with the added reflective quality of glass.

## Benefits

### More environmentally friendly

The enamel is free from lead and other dangerous metals making it more environmentally friendly and totally recyclable. During manufacture, the almost total absence of pollutants protects nature and health.

### Coloured façades

EMALIT® EVOLUTION is available in a wide range of colours. Additional decorative effects can be obtained by enamelling different base glasses and/or designing specific colours.

### Exceptional durability and safety

EMALIT® EVOLUTION is a toughened safety glass with the mechanical properties and durability inherent to clear toughened glass. The colours remain totally stable over time.

### Simple installation

EMALIT® EVOLUTION is as easy to install as ordinary toughened glass.

\* < 1000 ppm in the content of the paint

## Standard Colour Collection

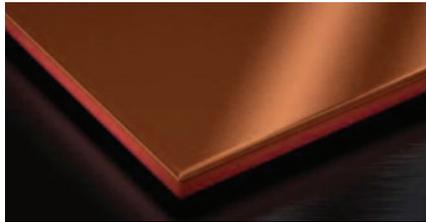
EMALIT® EVOLUTION is available in a range of 11 standard colours.

**EMALIT® EVOLUTION CLASSIC:**  
for uniformly coloured glass panels (see colour chart)

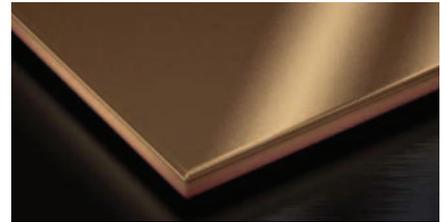
**EMALIT® EVOLUTION CLASSIC EXTRA-WHITE:**  
for pure white, using SGG DIAMANT® extra clear glass



**BA0129** Polar White



**BA9122** Harmonic Bronze



**BA9125** Weathered Bronze



**BA0016** Black



**BA8122** Graphite Grey



**BA8132** Dark Grey



**BA8141** Mid Grey



**BA8148** Industrial Grey



**BA8153** Neutral Grey



**BA6111** Blue Tone



**BA7139** Cactus Green

## Bespoke products

In addition to the standard range of colours, bespoke colours and colour-matching services are available enabling most colours to be replicated. If you require information on these, and other, product variations e.g. the use of different substrate materials, please contact our specification sales team.

## Production information

EMALIT® EVOLUTION non-vision panels are designed for use with a back-up wall and are intended to be viewed from the reflective side (external) and not from the reverse side (internal), which has the ceramic ink applied to it. If viewed from the reverse side, pinholes and an undesirable lack of uniformity in the ceramic coating will be clearly

evident, which would be considered as wholly unacceptable by the end user.

GLASSOLUTIONS will not knowingly supply EMALIT® EVOLUTION non-vision panels in applications where the glass will be viewed from the reverse side or where the panels will be installed without a back-up

structure. The product is not designed for this application.

EMALIT® EVOLUTION is also designated for use with a dark background because any kind of backlighting can cause pinholes, stripes or clouding to become visible.

## Colour tolerances

Slight colour differences may occur between samples and actual project deliveries because the product is a fusion of colour and glass. As a result, the self-colour of the glass, its thickness and surface structure

influence colour appearance. Therefore, when colour differences exist between a sample and actual delivery it is not considered a defect. The same applies to any colour overrun on the edges of the glass.

## Dimensions

**Minimum: 200mm x 200mm**

**Standard maximum: 1600mm x 2600mm**

Larger sizes can be accommodated as a special order. Please contact us with your requirements.

### Lead times

**SINGLE GLASS**  
within 7 working days  
**DOUBLE GLAZED UNITS**  
within 10 working days

**GLASSOLUTIONS SAINT-GOBAIN LTD**  
Registered in England.  
Company No. 2442570

Registered Head Office:  
Herald Way, Binley,  
Coventry, CV3 2ZG

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



Your glass. Our world.