



# FUSEINK

## DIGITAL CERAMIC PRINTING

Integral Seal's Fuse-Ink glass printing is the perfect solution for vibrant yet durable printing directly to the surface of the glass.

Fuse-Ink is a large format, digital glass printing process capable of reproducing full colour photography, vector graphics and textures directly onto the surface. Utilizing specialised ceramic inks, free of lead and cadmium, Fuse-Ink printing is pin point accurate and extremely durable perfect for internal and external projects.

The printing process entails direct application of ceramic inks to the surface of a panel, with a purpose built glass printer. Panels are then tempered through a furnace where the inks are permanently fused to the glass becoming UV and Scratch resistant. This process is a time and cost efficient solution for incorporating art with architecture, opening up a wide array of creative options.

The versatility of Fuse-Ink stems from the durability and flexibility of the inks. They have the capacity to face internally, externally, inside a Double Glazed Unit or even within two laminated glass panels. The inks can also be printed on high performance glass and be teamed with coloured interlayers to give a truly custom option. Performance data for individual designs is available to assist in the development stages.

### FEATURES

Fuse-Ink printed ceramic inks are UV, solvent and scratch resistant.

Ink coverage control allows fine tuning of light transmission on individual areas.

A 10 year warranty is provided against fading and discolouration.

Detailed performance data available for all types of printed glass panels.

### THICKNESS

Single: 4mm - 8mm  
Lami: 8.76 - 17.52mm

\*Custom thickness' available on request

### MAXIMUM SIZE

1800x3500mm

### GLASS TYPES

Clear, Low Iron, Grey, Bronze, Low-E



### Print Surface



#### Internal Surface

Reflective Appearance  
Externally



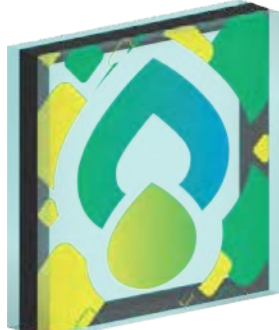
#### External Surface

Matt Appearance  
Externally



#### Inside Laminated

Reflective Appearance  
Internal & External



#### Inside IGU

Reflective Appearance  
Internal & External

### Colour Gamut



Blue Red Orange Green White Black

Although Fuse-Ink is pin point accurate when it comes to measurements it is important to note the ceramic printing colour gamut does not offer magenta or cyan. This means very bright pinks, purples and blues will be subject to colour shifts when printed.

