



LASER ETCHING

Integral Seal's specialized Laser Etching offers an ideal method for adding a personalized appearance and finish to your next glass project.

At Integral Seal we continue to make advancements in glass production technologies, as clearly demonstrated in our state of the art Laser Etching equipment. This cutting edge technology provides you the ability to etch custom imagery and patterns onto glass. The process is a quick, simple and cost effective solution to other products such as vinyl stickers. Whether it be an annealed clear panel that has a Low-E soft coat or a tinted grey panel that is tempered, Integral Seals Laser Etching can be applied to any glass type or makeup that we provide.

The Etching process is achieved with a CO₂ Laser beam removing a small amount of material and melting the glass surface. A big advantage of using a Laser on glass surfaces is that it is far less subject to dirt built-up and fingerprints than those of traditional sandblasting or rough Etching. Durability along with sustainability are further pros to Laser Etching due to the lack of need for paints or vinyl stickers, which may fade or peel off over time.

FEATURES

Flexible application means Annealed, Tempered and Heat Strengthen options Available.

Etching can be placed on building exterior of Insulated Units for compliance with Toronto Green Standards.

Laser capable of various intensity settings to allow for image recreation on glass.

Durable against weather, scratches and UV fading, while remaining eco-friendly and sustainable.

THICKNESS

Single: 4mm - 8mm

Lami: 8.76 - 17.52mm

*Custom thickness' available on request

MAXIMUM SIZE

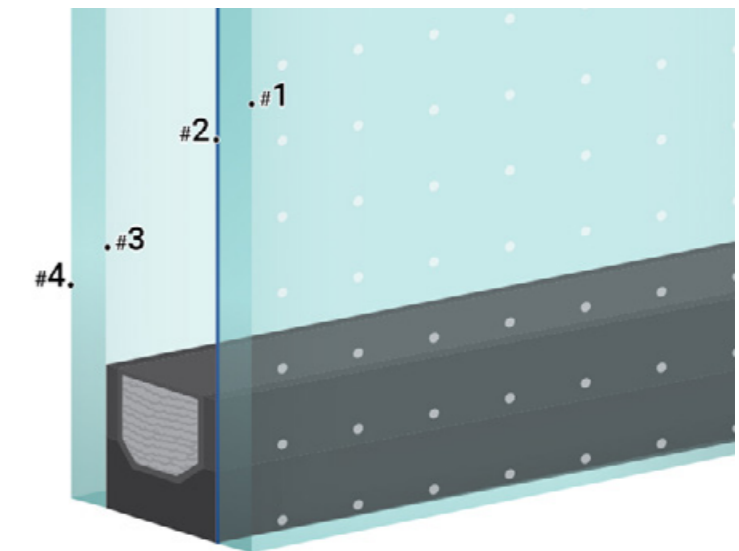
1800x3500mm

GLASS TYPES

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

*Custom types' available on request

Insulated Glass Unit Example



1. Surface #1 Building Exterior, Laser Etching
2. Surface #2 Inside Unit, Low-E Coating
3. Surface #3 Inside Unit
4. Surface #4 Building Interior

Bird Friendly Glass

This specialty product has been design with a Low-E Solution in mind, by etching the Bird Friendly pattern onto Surface #1 and allow the Low-E coating to remain on Surface

This is in accordance with the **Toronto Green Standards (TGS)** Tier 1 terms. These terms state that **visual markers** must be;

1. High in contrast to glass.
2. On the exterior face (surface #1) of glass.
3. On the first 12m (30ft) of glass from ground level.

The Laser Etching process can be applied to any glass type and makeup that we provide including Heat Treated, Laminated and Insulated Glass Units.

Custom Imagery

Create a truly one of a kind project by Laser Etching a custom picture or pattern onto the glass. The state of the art Laser is capable of recreating high definition imagery with its options for various levels of transparency and weight.

Stuck for ideas have a look through our graphic range where we provide a wide variety of ready to go fully scalable patterns to suite any project.

