

# LAURIER

Architectural

A Novatech Group Company 

## SEALED UNITS

Insulating glazing is a sealed assembly of two or three panes of glass separated by an air or gas space.

[laurier.net](http://laurier.net) ■  [Contact us](#)



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# SEALED UNITS

**LAURIER ARCHITECTURAL** sealed units are intended primarily for the commercial and industrial sectors.

All units are double sealed and offered with polysulfide or silicone sealants.

## APPLICATIONS

- Punch windows
- Curtain walls
- Structural glazing systems
- Doors
- Skylights
- Canopy
- Roof windows
- Any other areas where energy conservation and comfort are a concern.



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## DIFFERENT CONFIGURATION OFFERED

- Units with clear or ultra-clear glass
- Units with reflective glass
- Units with soft or hard coat Low-E
- Units with Cerafrit coating
- Units with Ceraprint coating
- Units with Opacicoat coating
- Units with laminated glass
- Units with tempered or heat-strengthened glass
- Heat Soak tested units
- Units with fire-rated glass

**LAURIER ARCHITECTURAL** expertise in insulating glazing will allow its team to assist you in choosing the ideal configuration to meet your requirements such as:

- Limit heat gain;
- Reduce heat loss;
- Glare control;
- Promote natural lighting;
- Withstand wind and snow loads;
- Enhance building appearance;
- Improve soundproofing.

Contact our technical team for your current or future projects. We will be happy to help you.



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## SIZES & UNIT WIDTH

For a commercial, industrial or institutional building the standard thickness of a double sealed unit is 25mm (2 x 6mm 6mm with a 13mm air space) and 44mm for a triple glazed unit (three 6mm glass and two 13mm air space). Other configurations are possible, however, they must meet the minimum established air space for warranty enforcement:

SIZE	THICKNESS
Units of less than 20 sf	10mm 3/8"
Units of more than 20 sf	11mm 7/16"
Units of more than 30 sf	13mm 1/2"
Units of more than 40 sf	14mm 17/32"
Units of more than 45 sf	16mm 5/8"
Units of more than 65 sf	19mm 3/4"

Several factors such as glass thickness, weight, width/height ratio, wind, and snow load regulations in force, influence the maximum size of an insulating unit. It is the customer's responsibility to ensure the ordered units are suitable for the intended use.

## STANDARDS

### Glass

ASTM C1036-16 Standard specification for flat glass

CAN/CGSB 12.3 M91 (R2017) Flat, Clear Float glass

### Tempered products

CGSB-12.1-2017 Safety glazing

ASTM C1048 Heat treated flat glass

ANSI-Z97.1-2015, Safety Glazing Materials Used in Buildings

16CFR 1201 II, Safety Standard for Architectural Glazing Materials

DIN EN 14179-1, Heat Soaked Thermally Toughened Soda Lime Silicate Safety Glass.