



ALUMINIUM [AL13] WINDOW BY FENERGIC

Composition: Extruded aluminum profiles, mechanically assembled on a PVC thermal break.

Types of Opening: Casement, awning, fixed or in combination.

Maximum Opening: Casement: 32" x 72" (813mm x 1829mm). Awning: 52" x 42" (1321mm x 1067mm)

Materials:

Conforms to NAFS08 and the following requirements:

- Extruded 6063-T5 aluminum frame, mechanically assembled, 152mm total depth.
- 1.27mm aluminum profile on the outside and 1mm aluminum profile on the inside.
- 1.8mm thick PVC thermal break.
- Interior aluminum "J" molding with a ½" opening to receive the gypsum finish.
- Triple cold cut, with continuous primary seal, welded at all four corners.
- Sealed unit, 21mm thick, Softcoat LoE1 8070 energy efficient glass, argon gas between the two glasses. Glass thickness according to the surface of the sealed unit.

- Light Transmission % = 81
- Light reflection: Exterior = 13% and Interior = 13
- Solar heat gain coefficient = 0.699
- Winter U-value = 0.271 (R = 3.69)

Screen: Fiberglass mesh on extruded aluminum frame installed inside.

Hardware :

- Multipoint lock with ramp ensuring closure by a single crank.
- Hinged operator allowing the opening of the shutter at 90 degrees, for the cleaning of the windows.
- Awning operator allowing an 8" (203mm) opening at the bottom, easy to unhook for cleaning.
- Stainless steel frame locks with Teflon and aluminum handle provide security and smooth operation.
- Opening restrictor, built into the opening mechanism, limiting window opening to 4" (100mm).

Color Selection:

Duracron thermoset acrylic finish, by PPG:

Black, white, antique beige, commercial brown, charcoal and sandblast.

Other finish: Clear anodized.

Optional: Extruded aluminum sill, color matched to the window.

Classification: (Casement test report AL13)

Class R-CP25-C Dimension 2500 x 1830 (casement and fixed combo)

Positive design pressure (PC) = 1200 Pa (25.0 psi)

Negative Design Pressure (DP) = -1200 Pa (-25.0 psi)

Water penetration test pressure = 730 Pa (15.0 psi)

Canadian air infiltration/exfiltration level = Level A3

Class CW-CP35-FW Size 1690 x 1830 (fix)

Positive Design Pressure (DP) = 1680 Pa (35.0 psi)

Negative Design Pressure (DP) = -1680 Pa (-35.0 psi)

Water penetration test pressure = 730 Pa (15.0 psi)

Canadian air infiltration / exfiltration level = FIXED level

Compliance Manufacturing:

Complies to NAFS08 and the following requirements.

- Windows are manufactured with precision and square with a maximum tolerance of 3mm plus or minus.
- Window assemblies are internally reinforced with steel where necessary.
- The assembly and anchor plates are made of galvanized steel.

Window Installation : (Installation recommendations)

1. Install windows in accordance with CSA-A440.4- 07.
2. Make sure they are square, square and level (window sill and interior).
3. The sill supporting the window must be the same width as the window. The sill must be sloped to give a smooth and uniform slope towards the outside; before installing and placing the window aligned and level.
4. Insulate around the window with insulating wool or urethane without distorting the window frame.
5. Caulk the joints between the windows and the sills with a highly flexible sealant.