

SPECIFICATIONS FOR WEATHER RESISTANT GLASSWALLS

PANEL CONSTRUCTION

Series 5631R panels are nominally 75 mm thick and up to 1100 mm in width. Panel faces are sealed, double-pane units 12 mm clear laminated glass and 6 mm clear tempered glass with a 20 mm spacer filled with silica gel crystals. Sealant to be UV and moisture resistant for additional protection against weather elements. The frames are of aluminum alloy 6063-T6 with extruded aluminum trim to protect the edge of the glass. All WR 5000 series frames are made of thermally broken extended aluminium profile PVDF coated to RAL color all frames steel reinforced for stability against wind pressure. Vertical interlock between panels is via deep nested tongue and groove configuration resulting in more stability, ease of panel alignment and better sound seal.

SUSPENSION SYSTEM

Hufcor track systems have been life-cycle tested for up to 161 Km or approximately 10 years of use. Track is of architectural grade extruded aluminum alloy 6063-T6 and is designed to provide integral support for adjoining ceiling, soffit, or plenum sound barrier. Track is triple PVDF coated to RAL color for protection. All Fixing accessories to be in architectural grade 316 Stainless steel.

SEALS

Horizontal top seals are UV stabilized continuous contact multi-ply brown while the bottom horizontal seals incorporate an extruded aluminium, box-section, mechanical seal manually operated by a handle inserted in the panel stile. Turning the handle through 170 degree simultaneously extends or retracts the seal through an overthrow cam mechanism, which firmly holds the seal in the retracted or extended mode. Top supporting horizontal rail are to be steel reinforced aluminium and incorporate sweep seals. Bottom horizontal rail to be 6063-T6 aluminium and incorporate retractable mechanical seal.

FINISHES

The standard frame and track finish is clear anodized aluminium, however custom anodizing – bronze or champagne is available on request. Frames can also be powder coated to desired RAL color. Specialty or Art glass can also be integrated with the system as an option.

Weight of the panels shall be approximately:

61 Kg / sq meter with sealed, double pane units 6 mm and 12 mm Clear Tempered glass

QUALITY ASSURANCE

- A. The glazing is to be in accordance with Australian Standard AS 1288-1994.
- B. The system is to be designed for the wind pressures to comply with AS1170.2 Terrain Category.
- C. The manufacturer shall have a quality system that is registered to the ISO 9001 standards

WARRANTY

Track, carriers, and frames shall be guaranteed for Two years against defects in material and workmanship. The glass is not included in this warranty.

OPERATION

- A. Panels shall be manually moved from the storage area, positioned in the opening, and set.
- B. Final partition closure to be by hinged full height door panel.
- C. Stack/Store Panels
 - 1. Retract floor bolt or mechanical edge-activated seal and move to storage area.
 - 2. Panels are stored on stacks in storage area(s).

AVAILABLE ACCESSORIES/OPTIONS

- 1. Locks
 - A. Thumb turn locks
 - B. Keyed locks
- 2. Specialty glass
- 3. Pass Doors

ISO Registration

Gibca Manufacturing facility quality systems are registered to the ISO 9001 standards