



## **SPECIFICATIONS FOR ACOUSTIC GLASSWALLS**

### **PANEL CONSTRUCTION**

Series 5631 SDGL panels are nominally 75 mm thick and up to 1200 mm in width. Panel faces are sealed, double-pane units 10.76 mm and 6.76 mm laminated, insulated clear glass with a 20 mm spacer filled with silica gel crystals. The frames are of aluminum alloy 6063-T6 with extruded aluminum trim to protect the edge of the glass. Vertical interlock between panels is via deep nested tongue and groove configuration resulting in more stability, ease of 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 clear anodized architectural grade extruded aluminum alloy 6063-T6 and is designed to provide integral support for adjoining ceiling, soffit, or plenum sound barrier.

### **SEALS**

Horizontal top seals are continuous contact multi-ply vinyl while the bottom horizontal seals incorporate a 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. Vertical edge of each panel incorporates two vinyl gaskets for better acoustic seal and interlock between panels.

### **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:

55 Kg / sq meter (UPTO 3000 MM STANDARD HEIGHT)

77.2 Kg/ sq meter with sealed, double pane units 6.76 mm and 10.76 mm laminated.

(FOR GREATER HEIGHTS

UPTO 5000 MM MAXIMUM)



## ACOUSTICAL PERFORMANCE

Hufcor shall guarantee in writing that the panel frame and seal system supplied shall be of like construction to the panels tested in an independent Australian Testing Laboratory, in accordance with Testing Procedure:

AS1191- 1985 up to 44 dB.

Acoustic performance of glass is dependent on thicknesses and configurations.

## QUALITY ASSURANCE

- A. The glazing is to be in accordance with Australian Standard AS 1288-1994.
- B. The partition STC (Sound Transmission Classification) shall be achieved per the standard AS1191 - 1985 test method.
- 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

## ISO Registration

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