Series 2630 and Series 2631
Weather Resistant Glass Walling

- **Product Detail Sheets**
  - General Description
  - Options
  - Key Market Segments
  - Features and Benefits

- **Product Specification Sheet**

- **Product Elevation and Cross-Sectional Drawings**

- **Examples of Stacking Configurations**
GLASS OPERABLE WALLS

**Product:** Weather Resistant (WR) Glasswall

**Series:**
- 2630-SGL
- 2630-SDGL
- 2630-SDGLV
- 2631-SGL
- 2631-SDGL
- 2631-SDGLV

Hufcor Weather Resistant Suite (WR) utilises our proven Type 3 tracking systems along with special (patent pending) Hufcor (WR) extrusions which provide a positive interlocking stile and weather seal between panels. The panels can be glazed either as single glazed units, sealed double glazed units, sealed double glazed units with enclosed venetians or a combination of each and can also incorporate sashless double hung sashes. The panels can incorporate various height mid-rails or muntin bars for a French door effect and options of square or bevel glazing beads.

This system’s components are compatible with the Capral 200 series door suite.

**Description:**
- Individual Omni Directional Panels
- Manually Operated
- Top Supported
- No Bottom Guides
- SGL = Single Glazing
- SDGL = Sealed Double Glazing [IGU]  SDGLV = Sealed Double Glazed with Venetian [IGU]

**Recommended maximum sizing of panels and doors – Internal Applications ONLY**

| **Height** | **3000mm** |
| **Width**  | **1000mm**  |

*NB* For all External Applications, panel heights and widths are to be determined by the applicable design wind pressures to AS1170.2 for compliance to AS1288-2006, AS1644 & AS4055

- All glass and glazing must comply with AS1288-2006 section 5.2/5.4, table 5.1.

<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th><strong>Standard</strong></th>
<th><strong>Optional</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracks &amp; Carriers</td>
<td>Type 3</td>
<td>Powder coating</td>
</tr>
<tr>
<td>Finish to Aluminium</td>
<td>Satin Natural Anodising</td>
<td></td>
</tr>
<tr>
<td>Seals</td>
<td>Brush Top and Bottom</td>
<td>Brush Top Mechanical Bottom</td>
</tr>
<tr>
<td>FHPD</td>
<td>Stainless Steel Butt Hinged</td>
<td>Hydraulic Floor Spring 90° Pivot</td>
</tr>
<tr>
<td>Hardware</td>
<td>Lockwood 3582SC Series</td>
<td>Short Backset Deadlatch As Selected</td>
</tr>
<tr>
<td>Hardware Handles</td>
<td>Lockwood Lever Series</td>
<td>As Selected or Required</td>
</tr>
<tr>
<td>Aluminium Glazing Beads SGL</td>
<td>Square Bead</td>
<td>Bevelled Bead</td>
</tr>
<tr>
<td>Aluminium Glazing Beads DGL</td>
<td>L-Shaped Bead</td>
<td>Nil</td>
</tr>
<tr>
<td>Mid Rails – Transom Rails</td>
<td>Nil</td>
<td>44/50/100/150 or 200mm high</td>
</tr>
<tr>
<td>Colonial Bars</td>
<td>Nil</td>
<td>Muntin Bar and Bevelled Bead</td>
</tr>
<tr>
<td>Glass and Glazing</td>
<td>6 – 10 SGL</td>
<td>25mm SDGL</td>
</tr>
<tr>
<td>Jambbs</td>
<td>Aluminium “C” channel</td>
<td>400 / 300 series aluminium</td>
</tr>
</tbody>
</table>
Key Market Segments

- Apartments
- 2nd/3rd Home Buyer  Indoor/outdoor patios, pools and balconies.
- Hospitality Industry  Restaurants, food chains and hotels.
- Shopping centres  Entrances and shopfronts
- Security  Service consoles and banks
- Sports Venues  Scenic areas and pool enclosures
- Hospital/Medical  Administration and rehabilitation units entrances
- Commercial/Industrial  Administration, meeting rooms, displays and foyers

Contact Hufcor’s Technical Services Team for any enquiries you may have outside our current scope, as this is an ongoing development, we may be able to resolve your situation.

“Standard” Product Features and Benefits

Look for these features when comparing similar products.

1. **Feature**: Top supported  
   **Benefit**: No need for floor tracks that gather dirt and dust and are easily damaged.

2. **Feature**: Hufcor Type 3 omni-directional tracking system  
   **Benefit**: Proven performance in thousands of movable wall installation around the world. Enables panels to negotiate turns and be used in alternate locations.

3. **Feature**: Glass fixed with snap on beads to all four sides.  
   **Benefit**: Provides variety of choice for single or double glazing and also for the selection of various glazing beads options (square, bevel, tall or “L” shape beads)

4. **Feature**: Hufcor (Design Registered) vertical aluminium extrusions incorporate a tongue with two vinyl gaskets that nest into the vertical recess in the edge of the adjoining panel creating a tongue and groove joint  
   **Benefit**: Creates positive interlocking between panels providing stability, ease of panel alignment, draft and weather resistance

5. **Feature**: Full perimeter aluminium frame bolts together with butt brackets and tie rod construction  
   **Benefit**: Creates a strong durable panel

6. **Feature**: Rail design allows fitment of dual brush seals that are uninterrupted by the fitment of any hardware.  
   **Benefit**: Draught proofing and aesthetic benefits

7. **Feature**: Option for sealed, double glazed units with enclosed venetian blinds  
   **Benefit**: Provides light, privacy, thermal and acoustic control
SPECIFICATION
HUFCOR SERIES 2630 WEATHER RESISTANT (WR) MOVABLE GLASS WALL

Product:
Movable, weather resistant, glass operable walling as shown on the plans shall be (select one):
1. HUFCOR Series 2630-SGL (Single Glazed)
2. HUFCOR Series 2630-SDGL (Sealed Double Glazed – IGU)
3. HUFCOR Series 2630-SDGLV (Sealed Double Glazed with Enclosed Venetian IGU)
manufactured by HUFCOR Pty Ltd, supplied and installed by authorized installers.

Operation:
Panels shall be top supported by two omni-directional carriers from Hufcor’s Type 3 tracking system, manually moved into position and secured by the setting of a concealed flushbolt on each panel. Panels shall be stored in a side-tracking configuration.

Panel Construction:
The panels shall have a full perimeter, extruded, aluminium frame, bolted together with butt brackets and tie rods (the vertical aluminium extrusions, being HUFCOR’s design registered profile). Glazing beads and gaskets shall be snap-on, square (or angled) and suit the glass thickness. A concealed flushbolt shall be incorporated into the trailing stile of each panel. The exposed aluminium shall be (select one):
1. Powdercoated to selected colour (option).
2. Satin natural anodised (standard)
3. Colour anodised to selected colour (option).

Available Accessories/Options (select required option):
1. Mid Rails (specify required height)
   44mm/50mm/100mm/150 or 200mm high
2. Muntin Bars

Seals:
a) The leading, vertical edge of each panel shall incorporate a tongue with two vinyl gaskets to nest into the vertical recess in the edge of the adjoining panel creating a positive, interlocking joint that provides panel stability, ease of panel alignment and a weather resistant seal.

b) Top and bottom horizontal seals shall be brush type sweep seals affixed to both sides of the trails. The top seals maintain contact with the track and the bottom seals maintain contact with (select one)
   (i) a two part, extruded aluminium, self draining threshold running along the path of the movable wall
   (ii) the floor or other surface along the path of the movable wall

Wall Closure:
Final partition closure to be by a full height, hinged panel at one end of the opening that (select one):
1. hinges from a fixed wall jamb (standard) or
2. pivots on a single action, 90º hydraulic floor spring.
The hinged panel shall be fitted with lever door furniture.
Available Accessories/Options for Hinged Panel Locks
(a). Thumb turn
(b). Keyed

Jams:
The end of the opening opposite the wall closure shall be fitted with a permanently attached, aluminium jamb that incorporates vinyl gaskets. These vinyl gaskets seal against the face of the lead panel’s vertical extrusion.

Glazing:
The panel frames shall be glazed on site as (select one):
2. Sealed, double glazed units Series 2630-SDGL.
3. Sealed, double glazed units incorporating enclosed Venetians Series 2630-SDGLV.

The glazing is to be in accordance with Australian Standard AS 1288-2006. As a minimum, the glass must be designed to withstand human impact and where applicable, wind loadings.

(Following clause required if subjected to wind loadings).
The system is to be designed for the wind pressures to comply with AS1170.2 Terrain Category _ (insert Design Wind Pressure (kPa) with a serviceability deflection limit
L/150 for Bi-Folds
L/180 for Residential
L/250 for Commercial

Available Options for glass finish (select one):
1. tinted
2. etched
3. decorated

Tracking System:
The tracking system shall be HUFCOR’s extruded aluminium, side-tracking Type 3 system to the profile shown on the working drawings.

Warranty:
The movable glass wall shall be fully guaranteed by the manufacturer against defects in workmanship or materials for a period of 12 months from date of installation. The manufacturers guarantee shall not exceed that of the glass supplier if such supplier’s guarantee is less than that provided above.

Work by Others:
Floors shall be level in the path of the partitioning to a tolerance not exceeding + or – 3mm. The general contractor shall be responsible for rectification of floors outside this tolerance. Jams shall be plumb, the maximum variation of opening width shall be + or – 5mm.
SPECIFICATION
HUFCOR SERIES 2630 WEATHER RESISTANT (WR) MOVABLE GLASS WALL

**Product:**
Movable, weather resistant, glass operable walling as shown on the plans shall be (select one):
1. HUFCOR Series 2631-SGL (Single Glazed)
2. HUFCOR Series 2631-SDGL (Sealed Double Glazed -IGU)
3. HUFCOR Series 2631-SDGLV (Sealed Double Glazed with Enclosed Venetian -IGU)
manufactured by HUFCOR Pty Ltd, supplied and installed by authorised installers.

**Operation:**
Panels shall be top supported by two omni-directional carriers from Hufcor’s Type 3 tracking system, manually moved into position and secured by the setting of a concealed flushbolt on each panel. Panels shall be stored in a side-tracking configuration.

**Panel Construction:**
The panels shall have a full perimeter, extruded, aluminium frame, bolted together with butt brackets and tie rods (the vertical aluminium extrusions, being HUFCOR’s design registered profile). Glazing beads and gaskets shall be snap-on, square (or angled) and suit the glass thickness. A concealed flushbolt shall be incorporated into the trailing stile of each panel. The exposed aluminium shall be (select one):
1. Powdercoated to selected colour (standard).
2. Satin natural anodised (option) or
3. Colour anodised to selected colour (option).

**Available Accessories/Options (select required option):**
1. Mid Rails (specify required height)
   44mm/50mm/100mm/150 or 200mm high
2. Muntin Bars

**Seals:**

a) The leading vertical edge of each panel shall incorporate a tongue with two vinyl gaskets to nest into the vertical recess in the edge of the adjoining panel creating a positive interlocking joint that provides panel stability, ease of panel alignment and a weather resistant seal.

b) Top horizontal seals shall be brush type sweep seals affixed to both sides of the rail and maintaining contact with the track when the panel is in position.

c) Bottom horizontal seals shall be self-setting, aluminium, drop seal with vinyl insers activated when the panels mate. These bottom seals maintain contact with (select one):
   1. a two part, extruded aluminium, self-draining threshold running along the path of the movable wall or
   2. the floor or other surface along the path of the movable wall

d) **Wall Closure:**
Final partition closure to be by a full height, hinged panel at one end of the opening that (select one):
1. hinges from a fixed adjustable wall jamb (standard)
2. pivots on a single action, 90° hydraulic floor spring.
The hinged panel shall be fitted with lever door furniture.

**Available Accessories/Options for Hinged Panel Locks**
(a). Thumb turn
(b). Keyed

**Jamb:**
The end of the opening opposite the wall closure shall be fitted with a permanently attached, aluminium jamb that incorporates vinyl gaskets. These vinyl gaskets seal against the face of the lead panel’s vertical extrusion.

**Glazing:**
The panel frames shall be glazed on site as (select 1):
1. single glazed units Series 2631-SGL (standard).
2. sealed, double glazed units Series 2631-SDGL.
3. sealed double glazed units incorporating enclosed venetians Series 2631-SDGLV.

The glazing is to be in accordance with Australian Standard AS 1288-1994. As a minimum, the glass must be designed to withstand human impact and where applicable, wind loadings.

**(Following clause required if subjected to wind loadings)**
L/150 for Bi-Folds
L/180 for Residential
L/250 for Commercial

The system is to be designed for the wind pressures to comply with AS1170.2 Terrain Category _ (insert Design Wind Pressure (kPa) with the serviceability deflection limit

**Available Options for glass finish (select one):**
1. tinted
2. etched
3. decorated

**Tracking System:**
The tracking system shall be HUFCOR’s extruded aluminium, side-tracking Type 3 system to the profile shown on the working drawings.

**Warranty:**
The movable glass wall shall be fully guaranteed by the manufacturer against defects in workmanship or materials for a period of 12 months from date of installation. The manufacturer’s guarantee shall not exceed that of the glass supplier if such supplier’s guarantee is less than that provided above.

**Work by Others:**
Floors shall be level in the path of the partitioning to a tolerance not exceeding + or – 3mm. The general contractor shall be responsible for rectification of floors outside this tolerance. Jams shall be plumb, the maximum variation of opening width shall be + or – 5mm.
EXAMPLES OF STACKING CONFIGURATIONS

- **Panel or Door**
  - **Configuration:** Special Configuration

- **Door Panel or Door**
  - **Configuration:** Special Configuration

- **Hinged Panel or Door**
  - **Configuration:** Parallel Configuration

- **DRsun Type:** Storage Area Door
  - **Configuration:** Parallel Configuration

- **DRsun Type:** Storage Area Door
  - **Configuration:** Angled Configuration

**Note:**
These are just a few options for stacking configurations. The HUFOR® system allows panels to move smoothly around L, T and Y intersections to form virtually any stack arrangement and also allows for multi-positioning of panels.

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