

## NBS Specification

### Hufcor Type 100 ESS Moveable Walls(Electric Seal System)

Hufcor Type 100 ESS Moveable Walls are laboratory acoustically rated up to 57dB and are suitable for a wide variety of applications including: hotels and conference centres, corporate offices, hospitals, schools, colleges and universities, churches and religious establishments and sports and leisure facilities. ESS models have all the features and benefits of Type 100 range with the added benefit of electrically operated panel seals.

#### Standard details for Hufcor Type 100 Moveable Walls:

- Manufacturer: Hufcor
- Product Reference: Type 100ESS(Electric Seal System) Moveable Wall
- Configuration: Single point or double point suspension
- Profile: Concealed(100) or exposed (100k) aluminum trim
- Finish: Standard Satin anodised  
Option: Polyester powder coated (PPC)
- Acoustic rating: Up to 57dB (Rw) EN ISO 140-3

#### Guidance for Hufcor Type 100ESS Moveable Wall

##### As standard:

##### Configuration:

Hufcor ESS Moveable Walls can be supplied either with Single Point (SP) or Double Point (DP) suspension. Single point suspension allows panels to hang centrally to the overhead support track and stack at either end of an opening, while double point suspension allows panels to follow track intersection away from the opening allowing panels to stack out of sight. Magnetic strips are provided in the vertical sections to ensure effective inter panel contact. Electrically operated seals lock the panels into position.

##### Acoustic Range:

Model follow the acoustic rating bands of 39db, 43dB, 46dB, 48dB, 51dB, 54dB and 57dB

##### Panel Profiles:

Hufcor ESS Moveable Wall panels are supplied with Concealed (100) trim or Exposed (100K) trim

##### Panel types:

Standard Panel: Forms the majority width of the operable wall.

Lever Closure Panel : Closes the final gap between the partition and the structural wall.

Pivot Door: Alternative to the LCP, in effect a full height access door positioned at one end of the opening.

Pass Door: Incorporates a 900 mm wide by 2000 mm height door hinged inside the panel frame.

Double Pass Door: Used for when a larger clear door opening are required.

Corner Panel (L-shaped): Used for when two moveable walls meet at an L-section.

**Panel weights:**

Standard Panel Weight: 35kg/m<sup>2</sup> - 63kg/m<sup>2</sup>

For the Lever Closure Panel add 10kg/m<sup>2</sup> per panel.

For an Inset Pass Door add 37kg per panel.

**Panel finish:**

Available in a variety of finishes available in both Concealed and Exposed trim:

- Ready to paint.
- Veneer available with factory finish.
- Laminates.
- Melamine.
- Magnetic and Writable High Pressure Laminate.

**Panel dimensions:**

Panels are available in the following sizes:

Min-max width:

- Basic Panels: 650 – 1320 mm
- Single Door: 1216mm (900 clear door opening)
- Double Door: 1058mm (1800 mm clear door opening)

Min (if relevant) – max height:

- Standard Panels: 6500 mm
- Single Door: 2330 - 6500 mm
- Double Door: 2400 – 6500 mm
- Pivot Door: 3200 mm

Maximum height needs to be calculated against track capacity/panel weight.

**Top track:**

Type 38: Configuration single point suspension, weight 4.1 kg/m, capacity per metre 218 kg

Type 40: Configuration single point suspension, weight 5.3 kg/m, capacity per metre 408 kg

Type 36: Configuration double point suspension, weight 5.4 kg/m, capacity per metre 450 kg

**Carriers:**

Type 38 and 40:

- 4-wheeled carrier hardened steel ball bearings, nylon-molded wheels.
- Used to support panels in a single point configuration.
- Each panel has one carrier positioned centrally.

Type 36:

- 2-wheeled counter-rotating horizontal carriers, precision ground steel ball bearings with heat-treated and hardened races encased with nylon-molded tyres
- Used to support panels in a double point configuration.
- Each panel has two carriers positioned towards each edge of the panel.

**Electrical seals:**

- To close the 25 mm gap at the top and bottom of the panel and to close the LCP operating gap.

**Hufcor UK Ltd, Moveable Walls,**

Millhouse Business Centre, Suite 21, Station Road, Castle Donington, Nr Derby, DE74 2NJ

T: 01332 813947 E: [enquiries@hufcoruk.co.uk](mailto:enquiries@hufcoruk.co.uk) Web: [hufcoruk.co.uk](http://hufcoruk.co.uk)