

# **UNOFLEX Movable Wall System**

## **Technical specifications for Unoflex 100**

The Unoflex 100 is a movable wall system hung from a top track, without floor guides, consisting of independent panels that are moved manually. The panels are constructed around an aluminium/steel frame, on both sides of which 16mm minimum thickness MDF boards are acoustically free hung. Panel-thickness is  $\pm 107$  mm.

### **Retractable seals**

Each panel is provided with a retractable spring tensioned seal at the top and bottom, with a pressure of 1600N. The seals are pressed against the underside of the aluminium track at the top and against the finished floor at the bottom, by manually operating an internal spindle mechanism. The seals are aluminium based and designed to overcome small deviations in the floor, to achieve high acoustic values and ensure a rigid closure.

### **Panel connections**

The aluminium nose and counter profiles ensure tight closure between the panels by magnetic strips with 50N pressure and rubber seals. These vertical profiles can be exposed, to give protection to the edges of the panel, or can be inlaid (recessed) so they are not visible when the wall is closed.

### **Telescopic panel**

The closing panel of the wall is a telescopic adjusting panel. This panel has an internal telescopic section (the suitcase) on one side. This section is built in the same way and of the same materials as the panel. It is operated, together with the top and bottom seals, by an internal three-way spindle mechanism. The maximum achievable stroke is approx. 120 mm. The pressure is adjustable.

### **Pass door panel**

Single, or double pass door panels, are constructed with a steel frame. The frame legs (jambs) incorporate retractable seals for complete and tight closure to the floor. As an option they can be supplied also with a floor bolt and tube. The seals in the frame legs, and at the top of the panel, are manually operated by an internal mechanism. This mechanism also locks the door when the panels are being moved. The bottom seal of the door leaf is automatically activated and can be adjusted to the correct stroke. With a double pass door, one half (the active leaf) is used as a standard door, with handles, the other (the passive leaf) has no handles, and normally used only when the active leaf is open.

### **Panel suspension**

Every panel is suspended by one, or two, trolleys which run in an aluminium ceiling track. These maintenance free trolleys are of a multiple ball bearing type. The trolleys are connected to the panel by means of a steel trolley bolt.

### **Panel adjustment and decoration**

All panels can be adjusted for height without opening the ceiling, or the panel. In case of surface damage, the face panels can be replaced without removing the panel from the track. Surface boards can be decorated with any type of material, i.e high pressure laminates, cold-rolled steel sheet, wood, fabric, wallpaper and etc.