

## SPECIFICATIONS TEXT

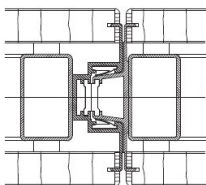
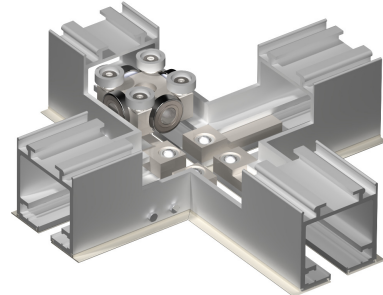
### OPERABLE PARTITION WALL PANEL SYSTEM

For the panels higher than 4.5 m suspended from two points

Brand : Mowatec  
 Model : **Rw 48 dB – TW1**  
 Supplier : Mowatec GMBH  
 Pohlheim / Germany  
 e-mail : [info@mowatec.com](mailto:info@mowatec.com)  
 Website : [www.mowatec.com](http://www.mowatec.com)  
 Definition : Panel systems used to partition the meeting, conference, ballrooms in order to enhance their functionality, sound-insulated and railed from the upper side



- Panels have to be conducted to the holding area conveyed as supported by **at the least 7 mm** thick aluminum rails mounted into the ceiling.
- There should not be any rail or guide at the floor.
- Aluminum carrier rail as of its natural aluminum color, **the exposed lower profiles** should be in **RAL 9010** white color.
- There should be a **1 cm projection sticking out to the side from under the rail** that seats on the suspended ceiling and ensures a neat finish.
- Rails should be fastened to the load bearing steel that will function as carrying the load statically and to be supplied by the employer.
- It has to be rolled-up at the spot determined in the scheme by the help of the **two-point suspension** mechanism.
- Rollers should be of **8 bearing construction** consisting of 4 pcs load bearing steel bearings and 4 pcs router bearings.
- For making the wheels roll easier there should be rolling balls made of steel inserted in the rail at the rail joints.
- Panel surface coating shall be **melamine of 18 mm thick** at both sides
- With a certificate by (according to **DIN EN ISO 717-1:2006**) **Germany Fraunhofer Testing Institute (EN SA ISO IEC 17025)** the sound reduction index of minimum **Rw 48 dB** (In laboratory conditions) shall be demonstrated.
- Panel structure shall be formed of rectangular steel frame.
- Panels should meet with each other as tongue-and-groove joint type with the aluminum joint profiles bearing **magnetic bands** and sealing lips at their whole length.
- Panel thickness should be **minimum 100 mm**.
- Panel weight should be minimum **37 kg/m<sup>2</sup>** (for Rw 48 dB)
- Panel should be fixed by horizontal insulation profiles emerging through the panel and seating on the ceiling and the floor.
- Immobilization of the panels should be enabled **manually** by means of a handle and horizontal insulation profiles emerging through the panel and seating on the ceiling and the floor.
- At the bottom and top corners of the panels, there should be attached **die cast rubber corner joint blocks** that are enabling them to be stable at their junctions with the adjacent panels.



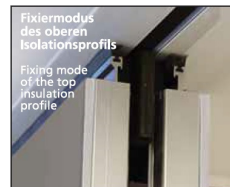
tongue-and-groove



magnetic bands



joint blocks



Bottom insulation profile



Top insulation profile