

## Acoustic doors 39 dB - Powder coated

### **Application – Heavy Duty**

**Material – Galvanized steel**

#### Standard & certification:

Hollow metal Acoustic door with rating of 39dB as per IS 16074 & IS 4351, made up of Pressed galvanized steel confirming to IS 277 all as per the following specification.

#### Frame:

Door frame shall be single rebate step grooved profile of size 125 x 60 mm made out of 1.6 mm (16 gauge) minimum thick galvanized steel sheet. Frames shall be mitered and field assembled with self-tabs. Frames to have in build grooved sealing system and shall be site fitted with PVC gasket as standard. All provision should be mortised, drilled and tapped for receiving appropriate hardware. Perimeter seal of approved make Athmer/Legacy to be provided on all three sides of the frame jamb. Frames should be provided with back plate bracket and anchor fasteners for installation on a finished plastered masonry wall opening. Frames shall be filled with puff.

#### Shutter:

Door leaf shall be minimum 46 mm thick fully flush double skin door, without vision lite. Door leaf shall be manufactured from 1.2 mm (18 gauge) minimum thick galvanized steel sheet. The internal construction of the door should be rigid reinforcement pads for receiving appropriate hardware. The infill material shall be 96 kg/m<sup>3</sup> high density Rockwool/mineral wool material. All doors shall be factory prepped for receiving appropriate hardware and provided with necessary reinforcement for hinges, locks, and door closers. The edges should be interlocked with a bending radius of 1.4 mm. For pair of doors integrated astragals has to be provided on the meeting stile for both active and inactive leaf. Door shall be equipped with additional seals like auto door bottom.

#### Vision glass:

No vision glass

#### Finish:

All doors and frames shall be finished Pure Polyester Powder coated and shall have passed minimum 500 hours of salt spray test.