

## Multipurpose Door – Powder coated

### Application – Standard Duty

Material – Galvanized steel

#### Standard & certification:

Hollow metal doors as per IS 4351 & IS 16074 made of pressed galvanized steel confirming to IS 277.

#### Frame:

Door frame shall be single rebate grooved profile of size 125 x 55 mm made out of minimum 1.2 mm (18 gauge) 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 seal as standard. All provision should be mortised, drilled and tapped for receiving appropriate hardware. 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 non-fire rated puff and the gaps shall be filled with backer rod & silicon sealant.

#### Shutter:

Door leaf shall be 46 mm thick fully flush double skin door, with or without vision lite. Door leaf shall be manufactured from minimum 0.8 mm (22 gauge) thick galvanized steel sheet. The internal construction of the door should be rigid reinforcement pads for receiving appropriate hardware. The infill material shall be resin bonded honeycomb core. 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. Vision lite wherever applicable should be provided as per manufacturers recommendation with a clip-on arrangement.

#### Vision glass:

The glass should be 5 mm clear toughened glass. Doors shall be with vision glass and louver as a part of complete assembly as applicable.

#### Finish:

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

**For heavy duty doors use sheet thickness, 1.6 mm for the frame & 1.2 mm for the shutter.**