

## Main Entrance Door – Powder coated (Fire rated 60 min)

### Application – Standard Duty

#### Material – Galvanized steel

Type – Single leaf only

#### Standard & certification:

Hollow metal Main entrance doors as per as per IS 3614: 2021, for 60min integrity. Made out of Pressed galvanized steel conforming to IS 277 with the following specification. Recommended fire door shall be tested as per IS/ISO 3008 & IS/ ISO 834-1.

#### 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 EPDM gasket 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 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.

#### Hardware:

Door hardware shall include fire rated Hinges, Mortise sash lock, Lever handle, Eye viewer (non-fire rated) and Magnetic door stop all as per approved sample.

#### 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.**