



ENVIROTECH SYSTEMS PVT. LTD.

(An ISO 9001:2008 Company)

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ISO 9001:2008 CERTIFIED ORGANISATION

CLIENT: - M/S Lloyd Insulations (India) Limited

PROJECT: - Manufacture, Supply & Installation of Acoustic Fire Door

Envirotech Systems Pvt. Ltd. has received an order of design, manufacture, supply & installation of **15 nos. Acoustic fire Doors - 2 hours fire rate with 35 dB(A) noise isolation** from Lloyd Insulations (India) Limited for its client **GE India technology Centre Pvt. Ltd., Bangalore** location.

DESIGN & CONSTRUCTION: - All acoustic fire door were supplied with 02 hours fire rating.

Fire Doors (General)

Fire resisting, means that the construction is designated as capable of resisting the passage of flame and smoke, and providing insulation as defined in under the prescribed condition of test appropriate to such construction in accordance with the current British Standard 476.

Fire Door Frame: -

Door frames to be single / double rebate profile manufactured from 16 gauge galvanized steel, profile to have bending radius of 1.4 mm supplied in assembled form ready to install at site.

Fire Door Shutter: -

Door Shutter in 46/65 mm thick manufactured from two 18 gauge galvanized steel sheets lock seam jointed at stile edges to form a double skin fully flush shell. Infill of insulation material to be provided for structural rigidity & additional reinforcements for all hardware fixtures as required & sound Insulation with one coat of fire resistant primer.

Intumescent materials: -

The modern solution to this problem relies on the use of intumescent material applied or set into the edge of fire door or fire door frame. Intumescent material expands at around 100°C to several times of its original size and fill the gap between fire door and frame

SIZE: -

| Description | Size (W x H) | Qty. |
|--|---------------------|-------------|
| Acoustic door & frame with 2 hr. fire rating Noise Isolation- 35 dB(A) STC- 40 | 2000 x 2400 mm | 09 No. |
| Acoustic door & frame with 2 hr. fire rating Noise Isolation- 35 dB(A) STC- 40 | 1200 x 2400 mm | 03 No. |
| Acoustic door & frame with 2 hr. fire rating Noise Isolation- 35 dB(A) STC- 50 | 2000 x 2400 mm | 03 No. |

PERFORMANCE: - All acoustic fire doors were supplied with 02 hours fire rating.