

E 120 /EI 30 – Automatic Sliding Glazed Fire Door [FSD 120] – Powder coated

Application – Heavy Duty

Material - Galvanized steel

Type – Automatic sliding glazed fire door

Standard & certification:

Providing and fixing of Hormann fire rated automatic sliding door FSD 120 with dormakaba operator ES 200 Std - Type F, as per IS 16947 /IS/ ISO 834-1 for integrity E120/EW120 & insulation EI30. Pressed galvanized steel conforming to IS 277 with the following specification. Automatic glazed sliding door shall be tested for maximum rating of 120 mins integrity and 30minutes insulation as a complete assembly.

Slider

Frames and side partitions shall be single rebate frame profile of size 125 x 60 mm made out of 1.6 mm (16 gauge) minimum thick galvanized steel sheet. Sliding door leaf shall be fully glazed with minimum 60 x 85mm profile step box section for taking glass element with minimum 1.2 mm (18 gauge) minimum thick galvanized steel sheet. Door frames shall be with back plate bracket and anchor fasteners for installation on a finished plastered masonry wall opening. Supports and studs required for mounting the system from top shall be included as per design requirement.

Operator:

The operator shall be type tested for fire rating with dormakaba ES 200 Std - Type F, compliant with European standards and produced according to the guidelines for power-operated doors, BGR 232, the UVV and the VDE regulations. SS hinges to connect the main profile with cover profile. Control unit, Self-learning, with adjustable parameters for opening and closing speed, Class of protection IP 20. Activators- dormakaba Motion Safe Combination Radar System (02 Nos), Program Switch with Key. Max Panel Weight Carrying Capacity of Easy 2 X 100 Kgs & Standard 2 x 160 Kgs respectively. The system shall have constant power supply 230V+ 5%, 50Hz, AC.

Glass & Glazing:

Glass shall be interlayered and fire rated for minimum of 120 minutes of integrity, partial insulation EI 30 (30 minutes). Non-wired minimum 11 mm Pyran Fusion toughened inter layered glass with a light transmission of minimum 89% and a sound reduction of minimum 37dB. The glass should be compliant to class 1(B)1 category of Impact Resistance as per EN 12600. Radiation shall not be more than 15 kW for the rating of entire duration of the door.

Finish:

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