

ABOUT THE PRODUCT

The **SL-Series** of sliding, automatic closing door assemblies, are available as horizontally sliding, top hung, single or multi-panel, and single or bi-parting leaves. They are supplied with track and roller assembly, including all necessary accessories required for smooth operation. Fire rated sliding doors have a suitable mechanism that is self-activated in case of fire.

Doors are available as electrically powered or manual, with fire rating of 3/4, 1 1/2, 3 or 4 hours. Construction can be designed optionally with wind load ratings up to 20 PSF (98 kg/m²) and maximum deflection of 1/20 of span.

Fire doors are available as UL labeled up to 3960 mm wide by 3300 mm high (Oversize UL Label up to 7920 mm wide by 4125 mm high). Applications for Labeled fire doors include warehouses, fire stations, parking facilities, mass transit, convention centers, theaters, hotels, manufacturing facilities and other buildings that require effective fire protection doors. Configurations include single slide, bi-parting and teleslide (multiple panels).

FEATURES

CORE

- ▶ Spaces between stiffeners are insulated with **Fiberglass** to the full height of the door.
- ▶ Standard infill thickness 50 mm of nominal density 24 Kg/m³.
- ▶ Thermal Resistance: R-Factor = 8.11 hr.ft². °F/Btu (ASTM C518-63T).
- ▶ Combustibility: None / IMO Resolution-ASTM E 136-82, BS 476 part 4, ISO R1182.

ASSEMBLY

- ▶ 2.0 mm thick steel head and jamb wall interlocks.
- ▶ The hardware consist of bottom support wheels, top guide, 4 wheel trolley, flush pulls, stop & bar pull, concealed floor guide, counter weights (large size doors), and fusible link or electromagnet for fire rated doors.

OPTIONS

- ▶ Alkyd or polyurethane RAL color paint finish (factory applied).
- ▶ May be face wall or cavity mounted.
- ▶ Available with a Wicket door.
- ▶ Rock wool core infill.
- ▶ Available is security or blast resistant construction (refer to BLR-Series).



◆ Metropolitan Hotel & Resort



SPECIFICATIONS OF COMPLIANCE

- ▶ Construction is in accordance with NFPA - 80 standards.
- ▶ **Fire Rating:** Up to and including **4 hrs** for single leaf and double leaf center opening doors, listed and labeled by **Underwriters Laboratories Inc.** according to UL 10B, NFPA 252-1995, CAN4-S-104 and ULC.
- ▶ Allowable sizes for fire rated doors up to 3960 mm wide by 3300 mm high. Oversize certificate is available for door sizes up to 7920 mm wide and 4125 mm high.
- ▶ Available in **“High Security”** construction for both, flush and grilled models, manually or electrically operated.

LEAF CONSTRUCTION

- ▶ 52 mm thick full flush construction fabricated from 1.5 mm (GA 16) thick steel sheets (commercial quality cold rolled/ASTM 366 or galvanized/ASTM A653-95, CQ).
- ▶ Face sheets are stiffened by vertical 0.8 mm (GA 22) steel stiffeners, spaced 250-275 mm on centers and welded to face sheets at 100 mm on centers.
- ▶ 1.50 mm (16 GA) thick steel top and bottom channels welded to both face sheets on 150 mm centers.
- ▶ 3.0 mm thick steel astragals from both sides for double leaf applications.
- ▶ Leaf interlock plugs welded on top and side.
- ▶ Factory applied epoxy prime base coat. Alkyd or polyurethane RAL color paint finish (factory applied) available as an option.

