Standard Steel Doors and Frames

ABOUT THE PRODUCT

The **VS-Series** flush doors are designed to meet the international requirements for extra heavy duty to maximum duty full flush doors. **Vertically Stiffened** doors are designed for high frequency and severe traffic openings used for exterior or interior applications, where rigidity is of high importance.

As described by HMMA / NAAMM – USA (National Association of Architectural Metal Manufacturers-United States of America):

"Steel Stiffened core doors feature steel ribs in the interior of the door and are ideal for high traffic situations where durability and security are important".

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 Conductance (50 mm): U = 0.123 Btu/hr.ft².°F. (ASTM C177).
- ▶ Thermal Resistance: R-Factor = 8.11 hr.ft².ºF/Btu. (ASTM C518-63T).
- ▶ Combustibility: None / IMO Resolution-ASTM E 136-82, BS 476 Part 4, ISO R1182.

OPTIONS:

- ▶ Seamless design.
- ▶ Rock wool core infill.
- ▶ Beveled or flush welded glass beads.
- Alkyd, polyurethane or epoxy RAL paint finish (factory applied).
- Non-handed reversible design.
- Vision panels, louver kits, transoms and sidelights...

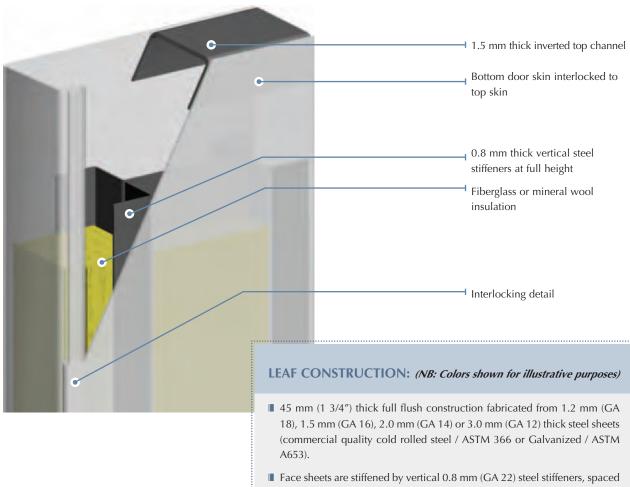


SPECIFICATIONS OF COMPLIANCE

- ▶ Construction of the VS doors meets the requirements of ANSI A250.8-2003 (SDI 100) and ANSI 151.1.
- ▶ Fire Rating: Up to 3 hrs for single leaf and double leaf swing doors, listed and labeled by Intertek-Warnock Hersey according to UL 10C, UL 10B, UBC 7-2-1994/1997, NFPA 252-1995, ASTM E152-81a, CAN4-1980, ISO 3008, BS EN 1634-1and BS 476 Part 20.
- ▶ Level "A" grade in accordance with ANSI A 250.4 test procedures.



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- 190 mm on center and welded to face sheets at 100 mm on center.
- 1.5 mm (GA 16) thick steel top and bottom channels welded to both face sheets on 150 mm centers.
- Mechanically interlocked, hemmed vertical edge seams for added strength and rigidity (up to 2.0 mm face sheet).
- Hardware reinforcing in accordance to ANSI, SDI, NFPA standards requirements. 5.0 mm steel hinge reinforcement.
- Factory applied epoxy prime base coat.

DOOR TYPES

The VS-Series doors are available with a wide range of glass light and louver preparations. For fire rating limitations, please refer to the "Product Range Certifications" pages 11 to 15.

DOOR TYPES

