



STEEL STIFFENED DOOR

Steel Stiffened Door's highly robust construction, above average impact resistance, optimal thermal insulation and sound attenuation characteristics make them ideal for openings where rough usage and high traffic are considerations such as - Schools, healthcare, offices, commercial establishments, public sector construction and manufacturing buildings.

Areas of Applications

- Office
- Power-Plant
- Recording Studio
- Motel / Hotel
- Institution
- Factory
- Industry
- Oil Field
- Stadium
- Healthcare
- Public Utility
- Warehouse

Key Features

- Highly Economical and Environmental Friendly
- Cold Rolled Steel, Metallic Coated as per ASTM A 792 Standard offering Superior corrosion resistance
- 20GA Vertical Stiffeners placed at ideal intervals offering exceptional rigidity and stiffness
- Rockwool Insulation between adjacent Stiffeners to limit Thermal and Sound Transmission
- Temperature Rise Rating up to 450°F @ 30 minutes on unexposed face of the Door
- Up to 180* Minutes Fire Integrity
- Tested to UBC 7-2, ANSI/UL 10B, 10C (Positive Pressure Test Standard) or BS 476 Part 22 Standard
- Sound Transmission Class: STC 38 (Operable)
- Thermal Characteristics: U Factor - 0.7, R Factor - 1.42
- Mechanically interlocked vertical edge seam construction for added structural strength
- 1-3/4" thick Door Leaf suited for wider selection of builders hardware
- Suited for light, medium, heavy duty and extra-heavy duty usage
- 16GA Inverted end channels welded to both face sheets
- Factory Powder Coated
- 8GA Galvanized Steel Hinge Reinforcement and 13GA Galvanized Steel Closer Reinforcement

Available Options

- Base Material Options – Hot Dip Metallic Coated Cold Rolled Steel as per ASTM A 792 Standards
- 2-1/8" Door Leaf Thickness
- Finish Options – Smooth Power Coated. Wood Finish (or) Hard Textured Finish.
- Design Options – Full Flush (or) Vision Lite (or) Bottom Louver
- Synthetically filled Seamless Edges
- Flush Metal Caps for End Channel
- Multiple Frame Profile Options
- Beveled Edge – 1/8" in 2"
- Selection of Thickness from Light to Extra Heavy Duty (Refer the below table)
- Cladded (Glass, Brass, Stainless Steel)

Door Performance Level Chart

Model	Type	Gauge	Metric(mm)	Physical Endurance (Cycle Testing)
LEVEL 1 – LIGHT COMMERCIAL DUTY				
1	FULL FLUSH	18	1.2	1,000,000 Cycles
2	SEAMLESS	18	1.2	1,000,000 Cycles
LEVEL 2 – HEAVY COMMERCIAL DUTY				
1	FULL FLUSH	16	1.5	1,000,000 Cycles
2	SEAMLESS	16	1.5	1,000,000 Cycles
LEVEL 3 – EXTRA HEAVY COMMERCIAL DUTY				
1	FULL FLUSH	14	2.0	1,000,000 Cycles
2	SEAMLESS	14	2.0	1,000,000 Cycles

Indicative Size Selection Chart

(All sizes in meters – width x Height basis)

Width		Height		
Single	Double			
0.8	1.6	2.0	2.2	2.4
0.9	1.8	2.0	2.2	2.4
1.0	2.0	2.0	2.2	2.4
1.1	2.1	2.0	2.2	2.4
1.22	2.2	2.0	2.2	2.4

Design Options

