



# heavy-duty polystyrene insulated STEEL DOORS



Model 3200

STEEL	EFFICIENCY	WARRANTY
<b>24</b> GAUGE	<b>9.1</b> R-VALUE	<b>10YR</b> LIMITED CONSTRUCTION

## FEATURES

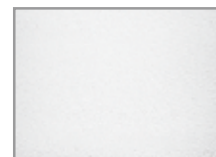
- 2" (50.8 mm) thick insulated "sandwich" construction consists of exterior and interior steel skins pressure bonded to an environmentally safe polystyrene core for greater strength and quieter operation.
- Tongue-and-groove section joint for exceptional strength and thermal sealing.
- Panels are prepainted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked polyester top coat, to provide the most rust-resistant steel available. Ten year warranty against rust-through.
- Both steel skins are separated by a continuous silicone filling to form an efficient thermal break.
- These high quality doors are designed for commercial and industrial facilities and provide the durability of a full 24 gauge, heavy-duty exterior steel skin in an energy efficient door system.
- Attractive stucco embossed (3200), woodgrain embossed flush (3211) or woodgrain elegant raised panel (3213) steel skins are prepainted inside and out for a durable, maintenance-free finish.



3200 Light Ribbed Panel



3213 Elegant Raised Panel



3211 Flush Panel

# heavy-duty polystyrene insulated STEEL DOORS

**Quality Assurance** – Doors shall be insulated steel sectional overhead type as manufactured by Clopay Building Products Company. Each door is provided as one complete unit including sections, brackets, tracks, counterbalance mechanisms, hardware (list options) to suit the opening and headroom available. 3200-Standard maximum door width to 32'2" (9.8 m). Standard maximum door height to 24'0" (7.3 m). 3211/3213-Standard maximum door width to 24'2" (7.4 mm). Standard maximum door height to 18'0" (5.5 m). Consult CIA for large sized doors.

**Materials and Construction** – Sections shall be 2" (50.8 mm) thick sandwich construction consisting of exterior and interior steel skins, pressure bonded to an expanded polystyrene core. Both steel skins to be separated by a continuous silicone filling forming a thermal break. Steel skins shall be roll formed commercial quality hot-dipped galvanized per ASTM A-924, A-653, phosphate coated, prepainted with primer and baked-on polyester top coat. Door sections constructed of full 24 gauge (.023" min.) (.58 mm) exterior and 28 gauge (.015" min.) (.38 mm) interior skins. 3200 to be stucco emboss texture interior and exterior with .040" (1.02 mm) minor ribs, 4" (10.2 cm) or 5" (12.7 cm) on center. 3211 to be flush panel exterior design with woodgrain emboss texture, stucco emboss interior. 3213 to be elegant raised panel exterior design with woodgrain emboss texture, stucco emboss interior. All stiles engineered for easy hardware attachment through prepunched holes. Single end stiles shall be 18 gauge (.045") (1.1 mm) galvanized steel. 16 gauge (.056" min.) (1.4 mm) double end stiles as required. 19 gauge galvanized, primed steel support plates located under each hinge location, prepunched for hinge attachment. Full length .050" (1.3 mm) aluminum astragal retainer. Astragal to be U-shaped flexible PVC vinyl. Section joint to form weather-tight tongue-and-groove joint. 3" (76.2 mm) galvanized steel step plate/lift handle provided on bottom section.

**Energy Value** – Section R-value = 9.1\*  
\*Calculated door section R-value is in accordance with DASMA TDS-163.

**Finish** – Exterior and interior steel skins prefinished with a one full mil 3-coat process of a baked-on polyester top coat over primer on a phosphate coating. White, brown, commercial tan, gray, or Trinar® white exterior; white interior (3200). White, brown, desert tan, almond, sandstone, Trinar white or Trinar beige exterior; white interior (3211/3213). FINISH GUARANTEED AGAINST RUST-THROUGH FOR TEN (10) YEARS, SECTIONS AGAINST DELAMINATION FOR TEN (10) YEARS.

**Hardware** – All hinges and brackets to be manufactured of hot-dipped galvanized steel, 14 gauge minimum. Ten-ball steel rollers to be full floating ball bearing in case-hardened steel races, mounted to fit the taper of the track.

**Tracks** – 2" (50.8 mm) or 3" (76.2 mm) track. Vertical tracks to be minimum of 16 gauge galvanized steel tapered and mounted for wedge type closing. Horizontal tracks to be minimum 14 gauge galvanized steel, reinforced with minimum 13 gauge galvanized steel angles as required. 3" (76.2 mm) track is 12 gauge.

**Spring Counterbalance** – Door assembly to be operated by a torsion spring counterbalance mechanism, with a helically wound oil tempered torsion spring mounted on a galvanized steel tube or solid steel shaft as required. Cable drums are die cast aluminum. Lift cables are high strength, galvanized aircraft cable with minimum 7:1 safety factor.

**Locking** – Inside spring loaded slide bolt lock on end stile shall engage slot in track.

**Wind Loading** – Door shall comply with ANSI/DASMA 108 or to meet specific application requirements.

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For special applications and options, consult Commercial Information Assistance (CIA) at 1-800-526-4301.



For more information on these and other Clopay products, call 1-800-526-4301 or visit [www.clopaycommercial.com](http://www.clopaycommercial.com)



## OPTIONS

- A. Glazing** – 3200: 24" × 8" (61 cm × 20.3 cm) or 24" × 12" (61 cm × 30.5 cm) window lites of polypropylene frame construction. Outside frame color to match panel. Available with 1" (25.4 mm) nominal insulated glass, 1" (25.4 mm) nominal insulated tempered glass, or 1/4" (6.4 mm) tempered glass. Full vision section, prepainted white or brown; glazing options include 1/8" (3.2 mm) DSB, 1/8" (3.2 mm) plexiglass and 1/4" (6.4 mm) wire and 1/2" (12.7 mm) insulated glass. 3211/3213: 12" × 19-1/2" (30.5 cm × 49.5 cm) window lite of cellular PVC frame construction; glazing options include 1/8" (3.2 mm) DSB, 1/8" (3.2 mm) plexiglass and 1/2" (12.7 mm) insulated glass.
- B. High Cycle Spring** – Available in 25,000; 50,000; 100,000 cycles.
- C. Track** – Vertical lift, high lift, follow-the-roof slope and low headroom track available. 2" (50.8 mm) or 3" (76.2 mm) as required.
- D. Weatherstripping** – Complete perimeter seals available in various materials.
- E. Locking** – Five pin cylinder lock with outside key, located at the first hinge location from right-hand side.
- F. Mullions** – Carry-away and roll-away available on doors to 14' (4.3 m) high [2" (50.8 mm) track only]. Swing-away available on doors to 20' (6.1 m) high [2" (50.8 mm) and 3" (76.2 mm) track].
- G. Pass Door** – Available on Model 3200. 32" wide × 80" high (81.3 cm × 203.2 cm), maximum 16' 2" (4.9 m) wide sections.
- H. Break-Away Bottom Sections** – Single section available up to 20' 2" (6.2 m) wide on doors with full vertical lift track or high lift track with minimum of 36" (.91 m) of high lift. Double sections available up to 14' 2" (4.3 m) wide on doors with full vertical lift track or high lift track with minimum of 60" (1.5 m) of high lift (3200 only).

## MODEL 3200

### WINDOW OPTIONS

Door Width	Max. Number of Window Lites
Up to 9'2"	2
9'4" to 13'2"	3
13'4" to 16'2"	4
16'4" to 20'2"	5
20'4" to 24'2"	6
24'4" to 26'2"	7

### SECTION ARRANGEMENT

Door Height	Number of Sections
Up to 8'0"	4
8'3" to 10'0"	5
10'3" to 12'0"	6
12'3" to 14'0"	7
14'3" to 16'0"	8
16'3" to 18'0"	9
18'3" to 20'0"	10
20'3" to 22'0"	11
22'3" to 24'0"	12

## MODELS 3211 & 3213

### WINDOW OPTIONS

Door Width	Max. Number of Window Lites
8'0" to 9'10"	4
10'0" to 11'10"	5
12'0" to 13'10"	6
14'0" to 15'10"	7
16'0" to 18'10"	8
19'0" to 19'10"	9
20'0" to 23'10"	10
24'0" to 24'2"	12

### SECTION ARRANGEMENT

Door Height	Number of Sections
Up to 7'0"	4
7'6" to 8'9"	5
9'0" to 10'6"	6
10'9" to 12'3"	7
12'6" to 14'0"	8
14'3" to 15'9"	9
16'0" to 17'6"	10
17'9" to 18'0"	11

