

Specification Sheet: Model 2298/2296/2294/2291 Recessed Panel Polyurethane Core Foamed in Place Doors

Door Sections:

Panels: Monolithic plank sections, 18", 21" or 24" high by width of door.
Exterior Skin: 25 gauge steel. Hot dipped galvanized G40 coating.
 Polyester primer and topcoat available in white, almond or sandstone.
Interior Skin: 27 gauge commercial quality steel. Hot dipped galvanized G40 coating.
 White polyester primer and topcoat.
Panel Thickness: 2"
Panel Profile: Smooth textured, recessed panel.
Joint Design: Tongue and groove rails.
End Caps: 20 gauge galvanized painted steel. Full height of section.
Reinforcement Plates: 24 gauge galvanized steel, 3-3/4" wide, full width of section.
Insulation: 1-3/8" CFC free polyurethane, R-Value of 12.35*, 0.081 U-Value.
 Foamed in place to exterior and interior panel skins.

Tracks:

Vertical Tracks: Roll-formed 17 gauge galvanized steel for doors through 8'-0" in height. Doors over 8'-0" through 10'-0" will be 16 gauge track. Doors exceeding 10'-0" in height will be 14 gauge track. Tracks to be mounted with track brackets (bolted or riveted to track) and lag-bolted to jamb. Tracks are adjustable (if bolted) to ensure weather-tight fit.
Horizontal Tracks: Roll-formed 16 gauge galvanized steel for doors through 10'-0" in height. Doors over 10'-0" will be 14 gauge track. Tracks are reinforced with angle (min 14 gauge) according to door size and weight.

Hardware:

Graduated heavy duty hinges (min 14 gauge), top fixtures (min 14 gauge) and bottom fixtures (min 13 gauge) are made of galvanized steel. Rollers have 10 ball bearings with casehardened steel tire on a solid steel shaft.

Spring Counterbalance:

Oil tempered torsion springs are mounted on a cross-header shaft supported by galvanized steel ball bearing end plates and center bracket(s). Springs are custom designed for exact door weight and size in accordance with current ANSI 102 standards for a minimum of 10,000 cycles. Counterbalance is transferred through galvanized aircraft quality cables secured to bottom of door.

Trussing:

Galvanized trussing provided according to door size and design.

Weather-seal:

Double contact vinyl floor seal full width of door.
 Optional header and jamb seals.

Locking:

Optional inside slide lock.

Window Lites:

Optional 1/2" plain DSB, glue chip, obscure, tinted, or frosted glass.

Installation / Framing:

Torsion spring mounting pads, jamb plates, header plates and associated track system hangers shall be furnished by other than C.H.I. All installation quality and workmanship is responsibility of Contractor and is to be executed in accordance with C.H.I. installation instructions, local and state building codes and work site safety regulations.

*R-value testing is in accordance with ASTM C518 standards