

Residential Doors

Model: Raised Panel
Flush Panel

TS-138 RSP & TS-138 Flush
(1 3/8" Thermo-Steel)

I. General

A. Work Included

The doors will be Model Raised Panel TS-138 or Flush Panel TS-138 as manufactured by Midland Garage Door Mfg. Co.

B. Other Work

Related structure work, opening preparation, field painting and electrical work etc. falls into the responsibility of other trades.

II. Product

A. Sections

Sections will be roll-formed, hot dipped, galvanized G40 (minimum), a minimum yield strength of 33,000 psi, complying with ASTM A653 and ASTM A924. 26 ga. exterior and interior sheet steel. Raised and Flush panel design embossed pebble textured exterior surface and flush embossed pebble textured interior surface. Sections will be pressure bonded to a polystyrene core and will have a thickness of 1 3/8". Sections will incorporate a continuous dual durometer vinyl extrusion thermal-break separating exterior skins preventing hear or cold conductivity.

B. Insulation

Insulation will be rigid 1 3/8" expanded polystyrene free of CFCs and HCFC's and will be laminated, pressure bonded to provide strength and prevent loss of thermal efficiency over time. The insulation will have a calculated R-Value of 7.5 and U-Value of 0.133 complying with ASTM A236. Insulation material complying with ASTM E84 flame-spread and smoke-developed.

C. Glazing (Optional)

Standard 1/8" un-insulated DSB clear float glass. Various design window lite patterns to choose from, consult factory.

D. Windload

Doors will be designed to meet or exceed industry standards for windloads (ANSI/DASMA A102-1996), uniform pressure (velocity pressure) of 20lbf/sq. ft. acting inward and outward. Deflection of door in the horizontal position will not exceed 1/120 of the door width. Consult factory for unusual requirements.



E. Hardware

Hinges and fixtures will be G-60 galvanized steel complying with ASTM A36 and ASTM A123. Standard ultra quiet nylon rollers. Roller sizes will be adequate for design requirements and limitations.

F. Stiles

End stiles will be 18 ga. Intermediate hinge plate stiles 20 ga. under interior surface skin.

G. Track

Track 2" bracket or angle mounted depending upon door size and requirements.

H. Spring Counterbalance

Counterbalance shall be oil tempered, helical wound torsion springs complying with ASTM A229, mounted on a ball bearing cross header shaft engineered to comply with ANSI/DASMA 102-1996. Standard springs minimum 10 - 12,000 cycles. Galvanized aircraft type lifting cables with a safety factor of 8 to 1.

I. Lock

Lock will be standard interior mounted slide lock. (Optional residential exterior keyed handle lock assembly are available).

J. Weatherseals

Bottom weatherstrip will be U'd shape astragal fastened to the bottom of the door with an extruded aluminum holder for an effective seal at the sill. Optional jamb and header flexible vinyl weatherstripping.

K. Finish

Exterior finishes will be 1-mil thick, two-coat, baked-on polyester (.8 mil) top coat, over primer (.2 mil) on galvanized coating. Colors; Brown, Sandtone, and White.

L. Operation

Operation will be by manual pull rope. Optional electric operators are available.

III. Execution

Installation

Doors should be installed in compliance with Midland Garage Door Mfg. Co. instructions by authorized Midland Garage Door Installation Professionals.



Pebble Texture Finish
Exterior and Interior