



LANSING HOUSING PRODUCTS

20 GAUGE STEEL SLAB SPECIFICATIONS

General:

Doors shall be pre-finished, pre-hung, new construction and 20 gauge steel doors as manufactured by ProVia Door, Inc.

Door Construction:

Door slab shall be 1 3/4" thick and made from 20 gauge (.034" thick) cold rolled, hot-dipped galvanized steel sheets. The slabs are mechanically locked together on both hinge side and strike side with tab and slot interlocks spaced 4" apart, starting no more than 4" from top or bottom of slab. Doors shall have a complete thermal barrier formed by glue-filled edges. The top and bottom rails to be 16 gauge, hot dipped, galvanized steel mechanically locked and glued in place. Hinge reinforcements made of 19 gauge steel are mechanically locked inside the door edge for fasteners. The lock face preparation shall be a 2 1/8" bore at a backset of 2 3/8" or 2 3/4" as ordered. Lock edge preparation shall be 1" x 2 1/4" mortise with square corners. Special composite reinforcements at lockset and dead bolt locations are required to prevent over tightening and deforming door slabs. The inner core of the door shall be foamed in place, with self hardening polyurethane, chemically bonded to all inner surfaces of steel skins. Our hurricane structural reinforcement consists of a 14 gauge perforated galvanized steel U channel and runs vertically at 74". The channel is located at 4 1/4" from the strike edge of the door.

Finish:

Door slabs to be painted with an electrostatically applied base coat of 1 mil thick polyurethane primer. The finish coat is an electrostatically applied, custom formulated, 2 part (1.2 mil thick) polyurethane paint. Both finishes are oven cured to create a durable, smooth finish. Optional one or two color finish (one color inside and a different color outside) can be selected from 16 standard designer colors offered by ProVia Door. Optional stained wood grain in 7 stain colors is available.

Weatherstripping:

Bottom sweep of high-quality thermal plastic rubber and a perimeter seal of foam filled compression weather-strip (Q-Lon).

Testing:

Doors have been tested and certified to NFRC(National Fenestration Rating Council) 100 and NFRC 200 guidelines enabling the Energy Star Thermal Performance Qualification.

20 Gauge Steel Door	Test Performed	Result
Physical Endurance	In-House SDI 131 Endurance Test	Level A (1,000,000 Cycles)
Impact Test	In-House ASTM F476 Security Test	Maximum Security Level of 40
Wind Load Rating	ASTM E330-97 Transverse Wind Load Resistance	DP (Design Pressure) = 39-60 psf - Equivalent of 125-155 mph Wind Speed