



Door Product Specifications

Door Construction:

Doors shall be made of commercial galvanized A40 sheet steel meeting ASTM-A-653. 12GA, 14GA and 16GA available.

Doors to have no visible seam on either face if under 10'0 in height or 4'0 in width. All doors shall have both edges fully welded and ground smooth.

All doors to be thoroughly cleaned and will receive one coat of gray rust inhibiting primer paint.

1100 Series polystyrene doors shall be 1 $\frac{3}{4}$ " thick of composite construction. The interior of the door shall be filled with a rigid sheet of one pound density polystyrene which is securely bonded to both face sheets. The vertical edges shall be reinforced by a 16 gauge channel spot-welded to the face sheets. All lock and hinge reinforcements shall be drilled and tapped by the manufacturer. All doors are handed.

1200 Series vertically stiffened doors shall be 1 $\frac{3}{4}$ " thick of hollow metal construction and shall have continuous 20 gauge vertical stiffeners spaced not to exceed six inches apart. All spaces between stiffeners shall be insulated w/ fiberglass $\frac{3}{4}$ density insulation. The vertical edges shall be reinforced by a 16 gauge minimum continuous steel channel extending full height of the door. The top and bottom of the door shall be reinforced by 16 gauge minimum channel spot welded to the face sheets. All lock and hinge reinforcements shall be drilled and tapped by the manufacturer. All doors are handed.

1300 Series temperature rise doors shall be 1 $\frac{3}{4}$ " thick of composite construction. A one piece mineral board core shall be securely bonded to both face sheets. The vertical edges shall be reinforced by a 16 gauge channel spot-welded to the face sheets. All lock and hinge reinforcements shall be drilled and tapped by the manufacturer. All doors are handed.



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1400 Series Fema 361 vertically stiffened doors shall be 1 3/4" thick 14 gauge of hollow metal construction and shall have continuous 18 gauge vertical stiffeners spaced not to exceed six inches apart. All spaces between stiffeners shall be insulated w/ fiber glass 3/4" density insulation. The vertical edges shall be reinforced by a 12 gauge minimum continuous steel angle extending full height of the door. The top and bottom of the door shall be reinforced by 12 gauge minimum channel spot welded to the face sheets. All lock and hinge reinforcements shall be drilled and tapped by the manufacturer. All doors are handed. Note all doors must be provided with Securitech hardware for our Fema 361 label to be applied.

1500 Series vertically stiffened lead lined doors shall be 1 3/4" thick of hollow metal construction and shall have continuous 20 gauge vertical stiffeners spaced not to exceed six inches apart. All spaces between stiffeners shall be insulated w/ fiberglass 3/4" density insulation. A lead lined sheet of 1/32", 1/16" or 1/8" shall be applied between steel ribs and the door skin. The vertical edges shall be reinforced by a 16 gauge minimum continuous steel channel extending full height of the door. The top and bottom of the door shall be reinforced by 16 gauge minimum channel spot welded to the face sheets. All lock and hinge reinforcements shall be drilled and tapped by the manufacturer. All doors are handed.

1600 Series Dutch Doors can be manufactured with a Polystyrene Core (1100 Series) or Steel Stiffened (1200 Series). Door thickness will be 1 3/4" standard. Hardware can be any specified locations. The reinforcements shall be 7 GA 1 1/4" x 10 jogged hinge, drilled and tapped, 12 GA mortised hardware tabs, drilled and tapped or 14 GA surface hardware and trim reinforcements. Both edges are reinforced with 16 GA full length channels spot welded to the face sheets. The vertical edges are fully welded with no visible seams (for doors up to 4' wide and 8' high). Glazing stops set for 1/4" glass (3/8" space) unless otherwise requested. Doors are handed. Faces and edges free of defects, warp and buckle. Shelf available as specified.