



Technical Information

Series 92TB Insulated Doors

Description

The Plyco 92TB Series pre-hung thermally broken steel door with thermally broken steel jambs - insulated with R-12 polyurethane foam.

Physical Characteristics

SIZES - Single Doors: Widths are 2' 6" (26), 2' 8" (28), 3' 0" (30), 3' 6" (36), 4' 0" (40). Available in heights 6' 8" (68) and 7' 0" (70).

Special sizes are not available. Call size example: 3068 = 3/0 x 6/8 nominal size, 39 7/8" x 82 1/8" actual out to out frame size.

Double Doors: Double door has a removable mullion attached to header & sill, has head and foot flush bolts concealed in mullion.

All doors are handed. Both panels are active panel is standard, may request, inactive panel with astragal.

COLORS - Polar White, Bronze, Chocolate and Hickory Moss All standard sizes are available in all four colors. Shop painting is an option.

JAMB - PRE-HUNG: 4 1/4" thermally broken 6005-T-6 aluminum alloy with pre-painted finish. Includes large foam-filled polyester jamb seals.

INSULATED JAMB OPTION - Optional inserted polystyrene foam jambs and header.

MOUNTING FASTENERS - Included in package, wood fasteners standard. Steel frame or masonry opening fasteners available.

HINGES - (3) 4 1/2" x 4 1/2" stainless steel NRP commercial template - three hinges per panel. Ball-bearing hinges are an available option.

THRESHOLD - Aluminum, mill-finish, thermally broken - Optional ADA threshold. Dedicated in-swing and dedicated out-swing are standard.

DOOR PANEL - 1-3/4" smooth 24 ga. galvanized steel skin with durable Alcryn sweep. Rolled edge, steel wrapped on all four edges and

interlocked (Patented). Six-panel and Cross-buck embossed available in the 3068 size only. Several blocking options available.

BLOCKING: HDPE poly lock reinforcing structure, optional heavy duty internal steel closer blocking and panic exit bar blocking.

INSULATED: Core is solid polyurethane injected 2.2 pcf foam. Foam R-Value of R-12. No GWP, VOC exempt, zero ODP.

LOCK FACE PREP: Standard with 2-1/8" lockset bore, backset of 2-3/4" - no bore optional. 1" or 1 1/8" edge knock-out.

DEAD BOLT: Blocking is standard, edge bore is standard, face bore is optional. May be bored in the field.

INSULATED LITE KITS -	1 LB-2	22 x 36	no grids	1 LN-2	10 x 10	no grids
	9 LB-2	22 x 36	9 lite grids	1 LT-2	7 x 36	no grids
	1 LL -2	22 x 60	no grids	1 LC-2	7 x 60	no grids
	15 L-2	22 x 60	15 lite grids	1 LK-2	30x36	12 lite grids used with 4068/4070
	1 LI-2	20 x 24	no grids	1 VH-2	22 x 36	Vertical hung with screen openable lite kit

.All Lite sizes include 1" IGCC Certified Thermal Pane units with tempered 1/8" glass, meeting 16 CFR 1201 Cat II & ANSI Z97.1-2015.

TESTING – ASTM E-330 - Certified Performance Label Available. FL# FL16841-R5

Air Infiltration	ASTM-E283 & NFRC 400	<.20 CFM/ft	Passed
Water Penetration	ASTM-E331	No leakage	Passed
Physical Endurance	AAMA 920	100,000 cycles	Passed
Wind-Storm Resistance	ASTM-E330-02	Single Lock	+/- 40 psf (52 x 86)
(Flush Doors-only, up to 4070)		Deadlock added	+/- 45 psf (52 x 86)
(Full 22 x 60 or 22 x 36 Lite Installed, up to 4070)		Sgl. Lock or with Deadbolt	+/- 30 psf (52 x 86)
(Full 22 x 60 or 22 x 36 Lite Installed, up to 3070)		Panic Bar - Rim Device	+/- 30 psf (40 x 86)
Forced Entry Resistance	AAMA 1304	300 lb. Point Load	Passed
Thermal Performance (In-swing)	NFRC 100	U factor = 0.24 (Flush & Embossed)	Unit including Frame
		U factor = 0.40 (Full Clear Glass IGU)	Unit including Frame

& Glass

Series 92TB Insulated Doors Sheet 10/2023

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