PLYCO™
BUILDING A WORLD OF DIFFERENCE

THERMAL BREAK DOOR SYSTEM
SERIES 92

ENERGY EFFICIENT PERFORMANCE



FULL TRUE THERMAL BREAK
PRE-HUNG • PRE-FINISHED

EXCLUSIVE HIGH PERFORMANCE SERIES

THERMAL · DURABLE · AIR · WATER

ENTRY DOORS

plyco.com

FULL PERIMETER THERMAL BREAK DOOR

Door, Frame & Threshold

SERIES 92

The PLYCO 92 Series thermal break door system delivers an energy-saving, easily maintained steel door option for commercial, agriculture and residential applications that can benefit from industry leading U/R values.



Full Perimeter, One-Piece Aluminum Thermal Break Frame

Performance Testing





Door Thermal Break

IECC Total Building Performance Method for Energy Efficiency is Highly Impacted by Door and Window U Values

- Plyco 92 Series NFRC 100 total opening thermal performance with U values of .24 (flush) and .28 (Low-E 1/2 glass)
- IECC metal door default value is .60 ANSI/ASHRAE/IESNA 90.1 allows for .50
- Compare in COMcheck and REScheck using the Plyco 92 tested U Value of .24

TOTAL BUILDING PERFORMANCE

FEATURES

- 24 Gauge Everlast hot dipped galvanized steel panel, 1 3/4" thick with fully-rolled edges
- Thermally-broken, one-piece aluminum frame for added structural strength. Stronger & Lighter!
- Energy-saving solid polyurethane insulating door core with an R-13 value
- 4½"x4½" stainless steel (NRP) hinges
- HDPE composite lock block, deadbolt prep and steel closer reinforcements are standard
- Individually cartoned and packaged to help prevent shipping damage
- Available in 3 frame depths: 4 1/4", 6 1/4", 8 1/4"

Available in these premium pre-finished colors.

*** Black color features Cool Reflective Technology.**

Polar White	Black Solar Reflective	Chocolate Brown	Hickory Moss	Bronze
	NEW			

PLYCO

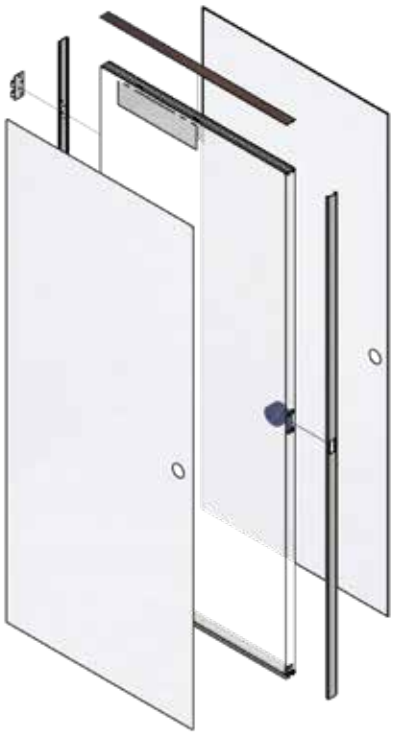


HIGH-PERFORMANCE CENTER POST FOR DOUBLE DOORS

- Manual head and foot bolt concealed in the removable mullion
- Mullion head and foot boots create a weather resistant seal on Plyco double doors
- Expanded clearance width due to adding center mullion

Proprietary Everlast Panel Design

- Interlocking Aluminum Rail System for High Performing Structural Integrity



COMMON HARDWARE OPTIONS

Lever Locks | Panics | Closers



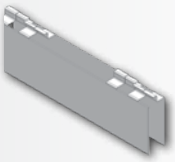




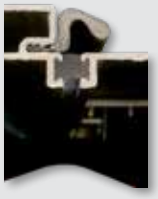
SWEEP

Durable Alcryn bulb and fin sweep. Flexible up to -40°F.

CLOSURE PLATE



The steel closer reinforcement is interlocked to the top rail of the door.



KERF SEAL

Quality enclosure for weather stripping delivers superior seal performance.

JAMB



Pre-finished painted steel/aluminum jambs with full surround, in-line thermal break. Includes a heavy duty weather strip for a weather resistant seal. The high performance threshold, with a full header, completes the frame.

THRESHOLDS

Four styles of threshold available:



ADA Inswing | ADA Outswing | Performance Inswing | Performance Outswing

* Water infiltration reduced with Outswing and/or Performance threshold

SERIES 92

TECHNICAL INFORMATION



Sizes	Widths:	2'6" (26) 3'0" (30) 4'0" (40)	2'8" (28) 3'6" (36) 6'0" (60)	7'0" (70) 8'0" (80)	Heights:	6'8" (68) 7'0" (70)
Mullion/ Astragal	Double door has a removable mullion attached to header and sill, has head and foot flush bolts concealed in mullion. All doors are handed. Both panels are active panel as standard, may request inactive panel with astragal.					
Overall Dimensions	Out-to-out 3/0 x 6/8 frame size is 40" x 82 1/8" with a rough opening of 40 1/2" x 82 1/2".					
Hinges	(3) 4 1/2" x 4 1/2" stainless steel NRP commercial template. Ball-bearing hinges are an available option.					
Door Panel						
Thickness	1 3/4"					
Skin	Smooth, 24 ga. galvanized steel - painted finish					
Edges	Rolled, formed edge interlocked in thermally broken aluminum core rails. (Patented assembly)					
Blocking	HDPE poly lock reinforcing structure, optional heavy duty internal steel closer blocking and panic exit bar. Optional full hardware installation. Special lock blocking available.					
Door Insulation	Core is solid polyurethane injected 2.3 pcf foam. Foam R-Value of R-13.					
Embossing	3/0 x 6/8 only - Six panel (6P) style, X-Buck (XB) style.					
Colors	Polar White (PW), Black (BK), Chocolate Brown (CB), Bronze (BZ) and Hickory Moss (HM). All standard sizes available in these colors.					
Lock Face Prep	Standard: 2 1/8" lockset bore				Backset: 2 3/4"	
Dead Bolt	Blocking is standard, edge bore is standard, face bore is optional. May be bored in field.					
Sweep	Durable, Alcryn bulb and fin sweep					
Lite Kits	1LB-2 22x36 no grids 15 L-2 22x60 15 lite 1 LT-2 7x36 no grids 1 LC-2 7x 60 no grids	1LL-2 22x 60 no grids 1LI-2 20x24 no grids 1LK-2 30x36 12 lite grids (with 4068/4070)		1VH-2 22x36 vertical hung with openable screen lite kit 9 LB-2 22x36 9 lite grids 1 LN-2 10x10 no grids		
	Other glass sizes are available. 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					
Jamb						
Type	Prehung thermally-broken, one-piece aluminum with Q-Lon kerf weatherseal					
Frame Depths	3 depths: 4 1/4", 6 1/4" * 8 1/4". Header and threshold are expandable to full frame depth.					
Hinge Preps	Mortised and reinforced. 10 gauge aluminum hinge reinforcements					
Threshold	Aluminum, thremally broken. 4 options: ADA Inswing, ADA Outswing, Performance Inswing & Performance Outswing					
Testing	AAMA/WDMA/CSA 101/I.S.2/A440-17 - NAFS - Certified Performance Label Available. FL# FL16841-R3					

The Series 92 System has been tested and Certified as shown:

✓ Air Infiltration	ASTM-E283 & NFRC 400	<0.20 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	Class LW-PG40 (52x86)
✓ Forced Entry Resistance	AAMA 1304	300 lb Point Load	Passed

(Additional testing information available upon request)

PLYCO™ CORPORATION
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Because of its ongoing commitment to product improvement, Plyco Corporation reserves the right to change, without notice, product specifications, availability, prices and conditions of sale.