



Series 27

Commercial Door

DATA SHEET

Description

The Plyco Series 27 pre-assembled door systems are designed and engineered for Wind Rating DP +60 psf /-60 psf.

Physical Characteristics

SIZES - Single Doors: Stock sizes are 2'8" x 6'8", 3' x 6'8" and 3' x 7'0"

Double Doors: Double doors can be manufactured 6' x 6'8" and 6' x 7' Only. Double door has astragal attached to inactive panel, has head and foot bolt in astragal. Handed, designate handing of active door. NOT AVAILABLE WITH WIND RATING.

COLORS - Primed Bright White

JAMB - KD or pre-hung. 18 ga. galvanized steel. Adjustable wall fit. Hinge reinforcements are standard 14 ga. steel

HINGES - (3) 4" x 4" plain bearing hinges

THRESHOLD - Aluminum, handicapped approved - dedicated inswing and outswing.

DOOR PANEL - 1-3/4" smooth 24 ga. galvanized steel skin with durable six fin sweep. Rolled edge, steel wrapped on all four edges and interlocked. Flush non-embossed or 6-panel embossed.

BLOCKING: composite lock reinforcing structure, optional heavy duty aluminum closure blocking (patented).

INSULATED: Core is solid polyurethane injected foam.

R-VALUE: R-13 (u= .077).

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

DEAD BOLT: Blocking is standard, edge bore is standard, face bore is optional.

LITE KITS - Tests pending

TESTING -	TEST	STANDARD	TEST METHOD	RESULT	PASS
	Air Infiltration	ANSI/ISDI - 101	ASTM-E283	.04 CFM/ft	Yes
	Acoustical Performance	ANSI/ISDI - 103	ASTM-E90, E413	STC Rating = 23	Yes
	Water Penetration	ANSI/ISDI - 104	ASTM-E331	No entry	Yes
	Physical Endurance	ANSI/ISDI - 105	ASTM A250.4	No fatigue	Yes
	Thermal Performance (Core)			R-13 (u=.077)	N/A
	Fenestration Performance UOF	NFRC 100		U _{OF} = 0.20	
	Fire Resistance Labeled	N/A			N/A
	Security Performance		ASTM F476	Grade 40	Yes