

Single FLAT Glass (Concealed Hinges) Door – Cut Away View



This Door Model Includes:

Door Leaf – Galvanized Steel, 30.66 MM Thick, Low Emissivity, Insulating Security Glass with Resistance Rating – P5A

Base Frame – Galvanized Steel, Frame Squaring Bars

Trim Frame – Galvanized Steel, Painted, Clear Coat Finish – RAL Color Range. Optional – PVC Coated – White, Brown, Black, Gray Colors

Limited Lifetime Warranty – Leaf, Base Frame and Finish Frame

Sound Proofing System – Insulation and Gasket

Locking System – Lock Box, Eight (8) Operable Bolts, Lock Cylinder with Three (3) Keys and Replacement Code, Five (5) Hinge Side, Fixed, Lifting Control Bolts.

Hinges (2) – “Concealed”, Heavy-duty, Adjustable, Ball Bearing Type, Open 120 Degrees

Glass Window – Thermal Insulated Security Glass (30 MM / 1-3/16” Thick). [See -> Glass Characteristics](#), Full Length or Partial Glass Designs. [See -> Surface Panel Design Options](#), Glass Transparency Options. [See -> Glass Color Options](#)

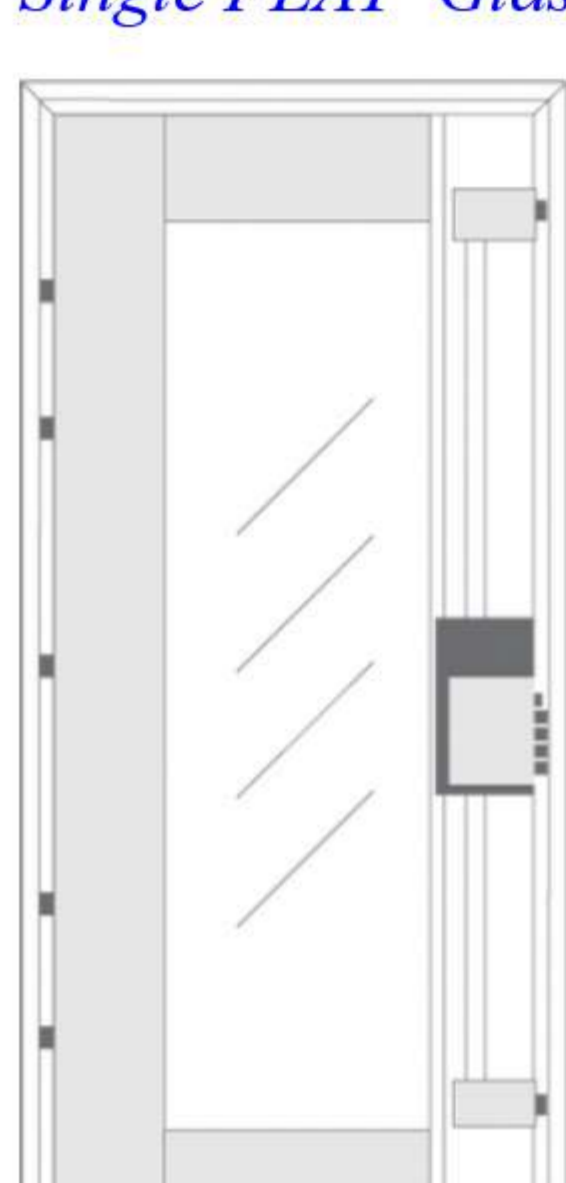
Surface Design Panels (2) – Interior and Exterior Surfaces for Glass Doors. [See -> Surface Panel Design Options](#)

Door Hardware – Assembly Hardware, Handle Set, Lock Knob, Lock Cylinder Protector, Matching Trim Rings and Covers. [See -> Hardware and Accessories](#)

Sill Plate and Decorative Nosing – Standard or Weatherstop Type, Sill Nosing – Aluminum, Satin Nickel, Bronze, Gold, White Finishes

Installation Instructions – On-line and Booklet

Single FLAT Glass (Concealed Hinges) Door – Outline



Classifications:

BURGLAR RESISTANCE CERTIFICATION CLASS	Class 3, EN 1627
GLASS RESISTANCE CLASS	P5A, EN 356
SOUND PROOFING RW	29 dB Min. to 41 dB Max.
THERMAL INSULATION Ud	W/m²K Min. 2.1, Max. 0.91
AIR PERMEABILITY CLASS	Class 1
WIND LOAD RESISTANCE	Class 5
WATER TIGHTNESS	7A
FIRE RATING	Not Rated

Door Specifications:

Base frame	Material	Galvanized steel (UNI EN 10142)	
	Thickness	14 Ga. (2 mm – 20/10)	
	Regulation	Eight (8) adjustment brackets	
	Wall anchor system	Four (4) or more attachment points each side	
	Weight	15 kg (33 lbs)	
Trim frame	Material	Galvanized steel (UNI EN 10142)	
	Finishing	Lacquered – Painted RAL color range with Clear Coat Finish or PVC Pre-filmed on both sides. Color: Brown, Black, Gray, White	
	Thickness	14 Ga. (2 mm – 20/10)	
	Regulation	Vertical and horizontal with 8 screws and latch adjusting device	
	Gasket	Weatherstrip Gasket on three (3) sides, Magnetic Type	
	Weight	15 kg (33 lbs)	
	Structure	16 Ga. (1.5 mm – 15/10) Galvanized steel sheet stiffened with 3 structures + lock reinforcement plate, 12 Ga. (3 mm – 30/10) thickness + low emissivity glass (Ud 1.3 W/m²K), thickness 30.66 mm + squared tubular steel glazing bead	
	Insulation	Soundproofing and insulating materials	
	Hinges	Two (2), adjustable up / down and side to side, made from drawn steel, diam. 22 mm, 10 mm mm diam., ball bearing pin, (open 120 degrees)	
	Fixed bolts	Five (5) fixed lifting control bolts	
Door Leaf	Side profile	Galvanized sheet steel prefilmed with PVC on the external side, with perimeter seal	
	Weatherstrip	Automatic adjustable weather strip	
	Covering	Customer specified surface panels	
	Notes	N/A	
	Weight	65 kg (187 lbs)	
	Closing group	Lock Type	C, CC and CC-D
	Bolts	Lock Box with four (4) central 18 mm diameter at the latch, protrude 40 mm, plus 2 lower and 2 upper side bolt each 18 mm diam, protrude 30 mm	
Features	Soundproofing	Rw = 29 dB (Not tested)	
	Thermal insulation	W/m²K = Min. 2.2 – Max. 1.8 (Not tested)	
	Air permeability	Class 1	
	Resistance to wind load	Class C5	
	Water tightness	7A	
	Fire Rating	N/A	
Glass Rating – EN 356	P5A		

Double FLAT Glass (Concealed Hinges) Door – See Single Flat Glass

This Door Model Includes:

Door Leaf (2) – Galvanized Steel, 30.66 MM Thick, Low Emissivity, Insulating Security Glass with Resistance Rating – P5A

Base Frame – Galvanized Steel, Frame Squaring Bars

Trim Frame – Galvanized Steel, PVC Coated – White, Brown, Black, Gray Colors. Optional – Painted, Clear Coat Finish – RAL Color Range

Limited Lifetime Warranty – Leaf, Base Frame and Finish Frame

Sound Proofing System – Insulation and Gasket

Locking System – Lock Box, Eight (8) Operable Bolts, Lock Cylinder with Three (3) Keys and Replacement Code, Five (5) Hinge Side, Fixed, Lifting Control Bolts. Semi-Fixed Leaf – One (1) Upper Lever Bolt, One (1) Lower Lever Bolt

Hinges (6) – “Concealed”, Heavy-duty, Adjustable, Ball Bearing Type, Open 120 Degrees

Glass Window (1 or 2) – Thermal Insulated Security Glass (30 MM / 1-3/16” Thick). [See -> Glass Characteristics](#), Full Length or Partial Designs. [See -> Surface Panel Design Options](#), Glass Transparency Options. [See -> Glass Color Options](#)

Surface Design Panels (4) – Interior and Exterior Surfaces for Glass Doors. [See -> Surface Panel Design Options](#)

Door Hardware – Assembly Hardware, Handle Set, Lock Knob, Lock Cylinder Protector, Matching Trim Rings and Covers. [See -> Hardware and Accessories](#)

Sill Plate and Decorative Nosing – Standard or Weatherstop Type, Sill Nosing – Aluminum, Satin Nickel, Bronze, Gold, White Finishes

Installation Instructions – On-line and Booklet

Classifications:

BURGLAR RESISTANCE CERTIFICATION CLASS	Class 3, EN 1627
GLASS RESISTANCE CLASS	P5A, EN 356
SOUND PROOFING RW	29 dB Min. to 41 dB Max.
THERMAL INSULATION Ud	W/m²K Min. 2.1, Max. 0.91
AIR PERMEABILITY CLASS	Class 1
WIND LOAD RESISTANCE	Class 5
WATER TIGHTNESS	7A
FIRE RATING	Not Rated

Door Specifications:

Base frame	Material	Galvanized steel (UNI EN 10142)	
	Thickness	14 Ga. (2 mm – 20/10)	
	Regulation	Eight (8) adjustment brackets	
	Wall anchor system	Eight (8) attachment points	
	Weight	18 kg (40 lbs)	
Trim frame	Material	Galvanized steel (UNI EN 10142)	
	Finishing	PVC Pre-filmed on both sides. Color: Brown, Black, Gray, White, Call – Painted RAL color range with Clear Coat Finish	
	Thickness	14 Ga. (2 mm – 20/10)	
	Regulation	Vertical and horizontal with 8 screws and latch adjusting device	
	Gasket	Weatherstrip Gasket on three (3) sides, Magnetic or Acoustic Type	
	Weight	17 kg (38 lbs)	
	Structure	Main and Secondary Leaf – 16 Ga. (1.5 mm – 15/10) Galvanized steel sheet stiffened with 3 structures + lock reinforcement plate, 12 Ga. (3 mm – 30/10) thickness + low emissivity glass (Ud 1.3 W/m²K), thickness 30.66 mm + squared tubular steel glazing bead	
	Insulation	Soundproofing and insulating materials	
	Hinges	Six (6), adjustable up / down and side to side, made from drawn steel, diam. 22 mm, 10 mm mm diam., ball bearing pin, (open 120 degrees)	
	Fixed bolts	Ten (10) fixed lifting control bolts	
Door Leaf	Side profile	Galvanized sheet steel prefilmed with PVC on the external side, with perimeter seal	
	Weatherstrip	Automatic adjustable weather strip	
	Covering	Customer specified surface panels	
	Notes	N/A	
	Weight	110 kg (242 lbs), 65 kg /143 lbs main leaf, 55 kg / 121 lbs (variable) semi fixed leaf	
	Closing group	Lock Type	C and CC
	Bolts	Lock Box with four (4) central 18 mm diameter at the latch, protrude 40 mm, plus 2 lower and 2 upper side bolt each 18 mm diam, protrude 30 mm; Semi Fixed Leaf – 1 Upper lever, diam. 18mm protruding 20mm vertically + 1 lower lever protruding 20mm into brass ring in the floor	
Features	Soundproofing	Rw = 29 dB (Not tested)	
	Thermal insulation	W/m²K = Min. 2.2 – Max. 1.8 (Not tested)	
	Air permeability	Class 1	
	Resistance to wind load	Class C5	
	Water tightness	7A	
	Fire Rating	N/A	
Glass Rating – EN 356	P5A		