

# 5045 Casement (In/Out) 4 1/2" Frame



### Standard

- 1 White bronze cam handle
- 2 White bronze cam handles over 40"
- 4 Bar hinges

### Optional

#### Accessories

- 1/4" Glaze
- 1 1/8 x 1" L - Angle
- 1 1/4 x 2" L - Angle
- 1" Expander
- 2" Expander
- 5 1/2" Expander
- Caulk return
- Caulk stop w/ return
- Internal grids
- Landmark grid 5/8" or 13/16"
- Sheet rock receptor
- Vandal sash

#### Hardware

- Butt hinge
- Cleaning bar hinge
- 4 1/2" NYC approved limit arm
- Locks w/removable handles for maintenance
- Multipoint lock (concealed)
- Roto crank (casement-out)
- Single point lock
- Other colors available for:
  - Butt hinges
  - Locks
  - Scissor cranks

### OITC Rating Option

36 w/special glass configuration

### Receptor/Sub Sill

- Receptor 4 1/2"
- Sub sill 4 1/2"
- Structural anchor

### 2 Piece Mull Covers

- 2"
- 4"
- 5 1/2"
- 5 1/2" Colonial

### Corner Mullion

- 90 Degree

### Sill Covers

- 1 x 4 3/4"
- 1 x 5"
- 1 3/8 x 3 5/8"
- 1 5/8 x 5"

### Stool Covers

- 1/2 x 3"
- 3/4 x 5"
- 1 x 2"
- 1 x 3 3/4"
- 1 x 6 1/4"
- 2 x 3"

### Screens

- Aluminum
- Fiberglass
- Invisible
- Stainless steel
- Wicket screen

### Common Options See Misc Page

- Grid Options
- Paint Options
- Panning Options

### Glass Options See Glass Page

### Size

**Min:** 15"W x 15"Ht

**Max:** Test 36" W x 60" Ht

(Max size may vary with application)

### Snap Trim & Clips

Snap Trim Size	Clip Type
3/4 x 1 1/8"	Regular
1 x 1"	Regular
1 x 1" with ext. 3"	Regular
1 x 1 1/4"	Regular
1 x 1 1/2"	Regular or Step
1 x 1 1/2" with ext. 2"	Regular or Step
1 x 1 1/2" with ext. 3/4"	Regular or Step
1 x 1 3/4"	Regular or Step
1 x 2"	Regular or Step
1 x 2 1/2"	Regular
1 x 3"	Regular
1 1/4 x 1 1/4"	Regular
1 1/2 x 1 1/4"	Regular
1 1/4 x 3 3/4"	Regular
1 1/2 x 1 1/2" with ext. 2"	Step
1 1/2 x 2 1/2" Landmark	Step
1 1/2 x 2 3/4"	Regular or Step
1 1/2 x 4 1/2"	Regular
1 3/4 x 1 1/2"	Regular
1 3/4 x 2 1/4"	Step
1 3/4 x 2 1/2"	Regular
2 1/4 x 2 1/4"	Step
2 3/4 x 2 3/4"	Step
2 7/8 x 3"	Step

# Miscellaneous Options

## Panning

### **Square**

2 3/8 x 2 3/4" Preset Head
2 3/8" x 3 1/8" Preset Jamb
2 3/8" x 4 1/8" Preset Head/Sill
3/4 x 2 1/2" Head/Jamb/Sill
3/4 x 4 1/2" Head/Jamb/Sill
2 x 2" Head/Jamb/Sill
2 x 2 1/2" Head/Jamb/Sill
2 x 3" Head/Jamb/Sill
3 x 3 1/2" Head/Jamb/Sill
4 x 3 1/2" Head/Jamb/Sill

### **Landmark\***

1 5/8 x 2 1/2" Head/Jamb/Sill
2 7/8 x 3 1/4" Head/Jamb
3 1/8 x 3 1/2" Sill
3 x 2 3/4" Head/Jamb/Sill
3 x 4" Head/Jamb/Sill
3 x 2 3/4" Head/Jamb/Sill
3 x 3" Head/Jamb/Sill
3 x 2 3/8" Head/Jamb
3 1/4 x 3 1/8" Sill
3 7/8 x 2 7/8" Head/Jamb/Sill
1/2 x 1/4" Panning Cover
2 7/8 x 4 1/2" Head/Jamb
3 7/8 x 5 5/8" Sill
3 1/2 x 4 1/2" Head/Jamb
3 7/8 x 4 3/4" Sill
4 x 4 1/4" Head/Jamb
4 1/8 x 5 1/8" Sill

\*Landmark profiles vary w/sizes

\*Custom profiles available

## Finishes<sup>1</sup>

Duracron  
50% Kynar  
70% Kynar  
Anodized  
Two-Tone

<sup>1</sup> Standard paint finishes vary according to product.

<sup>1</sup> Custom colors available

## Grids<sup>2</sup>

Internal Grids

External Grids w/ select products

Landmark grid 5/8" or 13/16"

<sup>2</sup> Custom grid configurations are available.

## OITC Ratings<sup>3</sup>

2500 Double Hung - 30 Rating  
5000 Series Projected - 36 Rating  
5000 Series Casement - 36 Rating  
9000 Double Hung - 32 Rating  
9500 Double Hung - Pending

<sup>3</sup> All OITC rated products have special glass configurations.

## Curving

### **Elliptical, Round Top, Trapezoid**

2510 Fixed  
4710 Fixed  
5710 Fixed  
6510 Fixed  
7510 Fixed  
9510 Fixed

### **Single-Hung w/integrated curved top**

6500 Curved-Top

## STC Ratings<sup>4</sup>

2500 Double Hung - 35 Rating  
5000 Series Projected - 46 Rating  
5000 Series Casement - 46 Rating  
9000 Double Hung - 37 Rating  
9500 Double Hung - Pending

<sup>4</sup> All OITC rated products have special glass configurations.

# Standard/Optional Glass

## Standard w/Cardinal IG

Dual sealed insulated units

Argon gas standard with Lo E

Stainless steel spacers (except wire glass, spandrel, and various odd shapes)

Model	Standard Glass
1000	
2000	7/8" Insulated glass unit
2400	3/32" Clear in and out (cannot be tempered or used in larger applications)
2500	
2510	
3000	7/8" Insulated glass unit 1/8" Clear in and out
4000	1" Insulated glass unit 1/8" Clear in and out
5000	
6500/6800	
6510	
7500	
6200	
8000	1" Insulated glass unit 1/4" Clear in and out
9000	7/8" Insulated glass unit 1/8" Clear in and out
9500	
9510	
400/500 Door	1" Insulated glass unit 1/8" Clear tempered in and out
400/500 Transom	1 1/8" Insulated glass unit 3/16" Clear in and out

## Optional Glass

<b>3/32" Glass:</b> Soft coat Lo E 270 (240 and 366 available)
<b>1/8" Glass:</b> Soft coat Lo E 270 (240 and 366 available) Frosted/Obscured Tinted colors available
<b>3/16" Glass:</b> Soft coat Lo E 270 (240 and 366 available) Frosted/Obscured Laminated Tinted colors available
<b>1/4" Glass:</b> Soft coat Lo E 270 (240 and 366 available) Frosted Clear wire Frosted wire Laminated Spandrel glass (all colors): Paint or ceramic Fritz Clear wire Tinted colors available
<b>Optional on all windows:</b> Insulated panels Tempered glass Louvers (available on 2510,4710,5710,6510,7510)