



# 5500 MAJESTIC SERIES VINYL CASEMENT WINDOW

## CASEMENT SPECIFICATIONS

### General:

Windows shall be series 5520, 5521, 560 and 5580 Casement window systems as described in the brochure and manufactured by International Window Corporation.

### Material:

Frames and sash members shall be white, or desert sand UPVC.

### Construction:

Corners of all frames and panels shall be miter cut and fusion welded to present neat, tight fitting joints. Nailing fin shall be prepunched for installation.

### Weatherstripping:

Uninterrupted weatherstripping shall be integrally extruded to the frame and sash to form a continuous triple seal barrier between the panel and the frame.

### Glazing:

Vent panel shall be constructed to allow for either shop or field glazing and installation into the frame either before or after installation. Windows shall accept 7/8" or 1" insulating glass.

### Hardware:

All vents shall be operable with either single arm or dual arm rotary operator. Casement windows shall be equipped with a positive cam latch single point or multi point locking system that engages keeper(s) located on the sash. Panels shall not be removable from the outside when in a locked position. Butterfly type hinges shall be located on the jamb for rigidity and ease of operation.

### Screens:

Screen frames shall be fabricated from 5/16" x 3/4" tubular extruded aluminum section. The screen cloth shall be 18 x 16 mesh fiberglass. Screens shall be removable from the inside. When in place, they shall not interfere with the operation of operating panels or impede water drainage from the sill.

### Erection:

All window frames shall be set by others in a level, plumb and square condition without distortion. Frame and panels must be installed without forcing, springing or bowing. Units shall be properly caulked to prevent water leakage. After installation, the general contractor shall be responsible for protecting the units during the balance of construction. Upon completion of construction, the general contractor shall be responsible for cleaning the PVC and glass without the use of abrasive agents.

### Performance tested to:

- AAMA/ANSI 101/I.S.2-97 Standards
- Security tested to California & LA. County ordinance
- Thermally tested to NFRC 100 and 200.
- Sealed insulated glass to "A" Level
- Sound tested to ASTM E90-99. STC determined in accordance with ASTM E 413-87.

International Window Corporation  
5625 East Firestone Blvd.  
South Gate, California 90280  
T. 562.928-6411  
F. 562.928-3492

International Window Corporation -  
Northern California  
30526 San Antonio Street  
Hayward, California 94544  
T. 510.487.1122  
F. 510.471.9387

International Window Corporation -  
Arizona  
2500 East Chambers Street  
Phoenix, Arizona 85040  
T. 602.232.2500  
F. 602.268.1100

**CASEMENT NFRC**

5520 RESIDENTIAL 7/8" & 1" INSULATING GLASS UNIT PERFORMANCE	U-Factor Residential Only						SHGC			Visible Light		
	Air Fill	w/ Argon	Sculp Grid	Sculp Grid w/ Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid w/ Argon	No Grid	Sculp Grid	1/8" x 3/4" Grid	No Grid	Sculp Grid	1/8" x 3/4" Grid
SS clear/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.50	0.41	0.45	0.52	0.42	0.47
DS clear/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.48	0.40	0.44	0.51	0.41	0.46
3/16 clear/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.46	0.38	0.42	0.51	0.41	0.46
SS EnergyShield/ SS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.24	0.20	0.22	0.44	0.36	0.40
DS EnergyShield/ DS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.24	0.20	0.22	0.44	0.35	0.39
3/16 EnergyShield/ 3/16 clear	0.33	0.30	0.33	0.30	0.33	0.30	0.24	0.20	0.22	0.43	0.35	0.39
SS EnergyShield Grey / SS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.21	0.18	0.19	0.35	0.28	0.32
DS EnergyShield Grey / DS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.20	0.16	0.18	0.31	0.25	0.28
3/16 EnergyShield Grey/ 3/16 clear	0.33	0.30	0.33	0.30	0.33	0.30	0.18	0.15	0.16	0.25	0.21	0.23
SS bronze/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.24	0.20	0.22	0.13	0.11	0.12
DS bronze/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.37	0.31	0.34	0.35	0.28	0.31
3/16 bronze/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.37	0.30	0.34	0.34	0.28	0.31
3/16 Solarcool/ 3/16 clear	0.43	0.42	0.42	0.42	0.42	0.42	0.32	0.27	0.29	0.29	0.23	0.26
SS grey/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.30	0.25	0.27	0.17	0.14	0.16
DS grey/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.35	0.29	0.32	0.47	0.38	0.42
3/16 grey/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.31	0.26	0.28	0.44	0.36	0.40
DS greylite # 31/ DS clear	0.44	0.42	0.42	0.42	0.42	0.42	0.27	0.23	0.25	0.41	0.33	0.37
SS Azurelite/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.25	0.21	0.23	0.36	0.29	0.33
DS Azurelite/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.24	0.20	0.22	0.33	0.26	0.29
3/16 Azurelite/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.22	0.18	0.20	0.28	0.23	0.25
SS bronze/ SS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.23	0.19	0.21	0.29	0.24	0.27
DS bronze/ DS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.22	0.18	0.20	0.29	0.24	0.26
3/16 bronze/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.20	0.17	0.18	0.24	0.20	0.22
SS grey/ SS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.25	0.21	0.23	0.40	0.32	0.36
DS grey/ DS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.23	0.19	0.21	0.38	0.30	0.34
3/16 grey/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.22	0.18	0.20	0.35	0.28	0.31
SS Azurelite/ SS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.23	0.19	0.21	0.38	0.31	0.35
DS Azurelite/ DS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.32	0.29	0.42	0.27	0.52	0.47
3/16 Azurelite/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.30	0.27	0.38	0.25	0.48	0.43
3/16 Solex/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.32	0.29	0.43	0.26	0.53	0.48

U-Factor is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.\* ft<sup>2</sup>\* °F. Lower U-Factors indicate better performance. Winter nighttime U-Factors are calculated using an outdoor air temperature of 0°F and indoor air temperature of 70°F.

Solar Heat Gain Coefficient is defined that fraction of incident solar radiation that actually enters a building through the window as heat gain. The SHGC is expressed as a dimensionless number from 0 to 1.0 A high coefficient signifies high heat gain, while a low number means low heat gain.

Visible Transmittance is the amount of light in the visible portion of the spectrum that passes through a glazing material. This property does not directly affect heating and cooling loads in a building.



# 5500 MAJESTIC SERIES VINYL CASEMENT WINDOW

## AWNING SPECIFICATIONS

### General:

Windows shall be series 5520, 5521, 5560 and 5580 Awning window systems as described in the brochure and manufactured by International Window Corporation.

### Material:

Frames and sash members shall be white, or desert sand UPVC.

### Construction:

Corners of all frames and panels shall be miter cut and fusion welded to present neat, tight fitting joints. Nailing fin shall be prepunched for installation.

### Weatherstripping:

Uninterrupted weatherstripping shall be integrally extruded to the frame and sash to form a continuous triple seal barrier between the panel and the frame.

### Glazing:

Vent panel shall be constructed to allow for either shop or field glazing and installation into the frame either before or after installation. Windows shall accept 7/8" or 1" insulating glass.

### Hardware:

All vents shall be operable with a scissor arm type of rotary operator. Awning windows shall be equipped with a positive cam latch system that engages a keeper located on the sash. Panels shall not be removable from the outside when in a locked position. Concealed hinges shall be located at the jambs for alignment and ease of operation.

### Screens:

Screen frames shall be fabricated from 5/16" x 3/4" tubular extruded aluminum section. The screen cloth shall be 18 x 16 mesh fiberglass. Screens shall be removable from the inside. When in place, they shall not interfere with the operation of operating panels or impede water drainage from the sill.

### Erection:

All window frames shall be set by others in a level, plumb and square condition without distortion. Frame and panels must be installed without forcing, springing or bowing. Units shall be properly caulked to prevent water leakage. After installation, the general contractor shall be responsible for protecting the units during the balance of construction. Upon completion of construction, the general contractor shall be responsible for cleaning the PVC and glass without the use of abrasive agents.

### Performance Tested To:

- AAMA/ANSI 101/I.S.2-97 Standards
- Security tested to California & L.A. County ordinance
- Thermally tested to NFRC 100 and 200.
- Sealed insulated glass to "A" Level
- Sound tested to ASTM E90-99. STC determined in accordance with ASTM E 413-87.

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F. 510.471.9387

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Arizona  
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Phoenix, Arizona 85040  
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F. 602.268.1100

**AWNING NFRC**

5520 RESIDENTIAL 7/8" & 1" INSULATING GLASS UNIT PERFORMANCE	U-Factor Residential Only						SHGC			Visible Light		
	Air Fill	w/ Argon	Sculp Grid	Sculp Grid w/ Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid w/ Argon	No Grid	Sculp Grid	1/8" x 3/4" Grid	No Grid	Sculp Grid	1/8" x 3/4" Grid
SS clear/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.50	0.41	0.45	0.52	0.42	0.47
DS clear/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.48	0.40	0.44	0.51	0.41	0.46
3/16 clear/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.46	0.38	0.42	0.51	0.41	0.46
SS EnergyShield/ SS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.24	0.20	0.22	0.44	0.36	0.40
DS EnergyShield/ DS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.24	0.20	0.22	0.44	0.35	0.39
3/16 EnergyShield/ 3/16 clear	0.33	0.30	0.33	0.30	0.33	0.30	0.24	0.20	0.22	0.43	0.35	0.39
SS EnergyShield Grey / SS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.21	0.18	0.19	0.35	0.28	0.32
DS EnergyShield Grey / DS clear	0.33	0.30	0.33	0.30	0.33	0.30	0.20	0.16	0.18	0.31	0.25	0.28
3/16 EnergyShield Grey/ 3/16 clear	0.33	0.30	0.33	0.30	0.33	0.30	0.18	0.15	0.16	0.25	0.21	0.23
SS bronze/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.24	0.20	0.22	0.13	0.11	0.12
DS bronze/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.37	0.31	0.34	0.35	0.28	0.31
3/16 bronze/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.37	0.30	0.34	0.34	0.28	0.31
3/16 Solarcool/ 3/16 clear	0.43	0.42	0.42	0.42	0.42	0.42	0.32	0.27	0.29	0.29	0.23	0.26
SS grey/ SS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.30	0.25	0.27	0.17	0.14	0.16
DS grey/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.35	0.29	0.32	0.47	0.38	0.42
3/16 grey/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.31	0.26	0.28	0.44	0.36	0.40
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DS Azurelite/ DS clear	0.44	0.42	0.44	0.42	0.44	0.42	0.24	0.20	0.22	0.33	0.26	0.29
3/16 Azurelite/ 3/16 clear	0.43	0.42	0.43	0.42	0.43	0.42	0.22	0.18	0.20	0.28	0.23	0.25
SS bronze/ SS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.23	0.19	0.21	0.29	0.24	0.27
DS bronze/ DS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.22	0.18	0.20	0.29	0.24	0.26
3/16 bronze/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.20	0.17	0.18	0.24	0.20	0.22
SS grey/ SS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.25	0.21	0.23	0.40	0.32	0.36
DS grey/ DS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.23	0.19	0.21	0.38	0.30	0.34
3/16 grey/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.22	0.18	0.20	0.35	0.28	0.31
SS Azurelite/ SS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.23	0.19	0.21	0.38	0.31	0.35
DS Azurelite/ DS EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.32	0.29	0.42	0.27	0.52	0.47
3/16 Azurelite/ 3/16 EnergyShield	0.33	0.30	0.33	0.30	0.33	0.30	0.30	0.27	0.38	0.25	0.48	0.43
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