

# 9.0 FENSTRATION PRODUCT RATING CERTIFICATE (IP)

## Certificate Authorization

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

OVERALL RATING	
<b>U-factor:</b>	(Btu/h·ft <sup>2</sup> ·°F)
<b>SHGC:</b>	
<b>VT:</b>	

Company: \_\_\_\_\_

Date: \_\_\_\_\_

STIPULATES THAT THE MATERIALS LISTED ON THIS CERTIFICATE WERE INSTALLED ON THE PROJECT IDENTIFIED BELOW

### PROJECT INFORMATION:

Street Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

### GLAZING CONTRACTOR / INSTALLER:

Street Address: \_\_\_\_\_

City: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone Number: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

### GLAZING MATERIAL SUPPLIER:

Street Address: \_\_\_\_\_

City: \_\_\_\_\_

Glass and Spacer Type: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone Number: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

# \_\_\_\_\_

Center-of-glass (C.O.G.) U-factor: \_\_\_\_\_

Btu/h·ft<sup>2</sup>·°F

Center-of-glass (C.O.G.) SHGC: \_\_\_\_\_

Center-of-glass (C.O.G.) VT: \_\_\_\_\_

### FRAMING MATERIAL SUPPLIER:

YKK AP America Inc

Street Address: \_\_\_\_\_

101 Marietta Street NW, Suite 2700

City: \_\_\_\_\_

Atlanta

Contact Person: \_\_\_\_\_

David Warden

Phone Number: \_\_\_\_\_

678-838-6000

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Georgia

30303

Product Line: \_\_\_\_\_

YVS 410 TU (Double Hung)  
Windows

TABLE 1 - GLAZING

TABLE 2 - FRAMING

U-factor Matrix Btu/h·ft <sup>2</sup> ·°F		SHGC Matrix		VT Matrix	
C.O.G. U-factor	Overall U-factor	C.O.G. SHGC	Overall SHGC	C.O.G. VT	Overall VT
0.48	0.65	0.75	0.53	0.75	0.51
0.46	0.64	0.70	0.49	0.70	0.48
0.44	0.62	0.65	0.46	0.65	0.44
0.42	0.61	0.60	0.43	0.60	0.41
0.40	0.60	0.55	0.39	0.55	0.37
0.38	0.59	0.50	0.36	0.50	0.34
0.36	0.58	0.45	0.32	0.45	0.31
0.34	0.56	0.40	0.29	0.40	0.27
0.32	0.55	0.35	0.26	0.35	0.24
0.30	0.54	0.30	0.22	0.30	0.20
0.28	0.53	0.25	0.19	0.25	0.17
0.26	0.51	0.20	0.15	0.20	0.14
0.24	0.50	0.15	0.12	0.15	0.10
0.22	0.49	0.10	0.08	0.10	0.07
0.20	0.48	0.05	0.05	0.05	0.03
0.18	0.46	Air Leakage less than or equal to <u>0.06</u> cfm/ft <sup>2</sup> at a test pressure of <u>6.24</u> PSF when tested in accordance with (check one)			
0.16	0.44				
0.14	0.43	<input type="checkbox"/> AAMA/WDMA/CSA 101/I.S.2/A440			
0.12	0.42	<input checked="" type="checkbox"/> ASTM E283			
0.10	0.41	<input type="checkbox"/> NFRC 400			

The overall ratings for U-factor, SHGC and VT are based on a size of 42-1/4 in. X 59-1/16 in. as required in NFRC 100 and NFRC 200.

Overall U-factors, Solar Heat Gain Coefficients (SHGC) and Visible Transmittances (VT) listed in the matrix were determined in accordance with NFRC 100 and NFRC 200 respectively by an accredited, independent laboratory.

### ACCREDITED INDEPENDENT LABORATORY:

#### Architectural Testing

Reference NFRC 100 Report #: D5338.02-116-45

Reference 507-12 Report #: D5338.01-116-45

Reference AWS Test Report #: 0231-1102-03 (S4)

**Directions:** Fill out form completely. Determine the Overall Rating for this project by using the C.O.G. U-factor (winter-time), C.O.G. SHGC, C.O.G. VT from Table 1 and looking up the overall rating from Table 2. Indicate the Overall Rating in the space above. Linear interpolation is permitted.