

# 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: \_\_\_\_\_

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

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

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

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

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

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: \_\_\_\_\_

YES 45 TU  
Storefront

TABLE 1 - GLAZING

TABLE 2 - FRAMING

| U-factor Matrix<br>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   | 0.58             | 0.75        | 0.67         | 0.75      | 0.66       |
| 0.46   | 0.56             | 0.70        | 0.63         | 0.70      | 0.62       |
| 0.44   | 0.55             | 0.65        | 0.58         | 0.65      | 0.57       |
| 0.42   | 0.53             | 0.60        | 0.54         | 0.60      | 0.53       |
| 0.40   | 0.51             | 0.55        | 0.50         | 0.55      | 0.49       |
| 0.38   | 0.50             | 0.50        | 0.45         | 0.50      | 0.44       |
| 0.36   | 0.48             | 0.45        | 0.41         | 0.45      | 0.40       |
| 0.34   | 0.47             | 0.40        | 0.36         | 0.40      | 0.35       |
| 0.32   | 0.45             | 0.35        | 0.32         | 0.35      | 0.31       |
| 0.30   | 0.43             | 0.30        | 0.28         | 0.30      | 0.27       |
| 0.28   | 0.42             | 0.25        | 0.23         | 0.25      | 0.22       |
| 0.26   | 0.40             | 0.20        | 0.19         | 0.20      | 0.18       |
| 0.24   | 0.39             | 0.15        | 0.14         | 0.15      | 0.13       |
| 0.22   | 0.37             | 0.10        | 0.10         | 0.10      | 0.09       |
| 0.20   | 0.35             | 0.05        | 0.05         | 0.05      | 0.04       |

The overall ratings for U-factor, SHGC and VT are based on a size of 78.750 in. X 78.750 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 #: B6796.02-116-45

Reference 507-07 Report #: B6796.01-116-45

Reference AWS Test Report #: G231-0404-08-3

**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.

Air Leakage less than or equal to 0.06 cfm/ft<sup>2</sup>  
at a test pressure of 6.24 PSF when tested in  
accordance with (check one)

AAMA/WDMA/CSA 101/I.S.2/A440  
 ASTM E283 (6.24 PSF)  
 NFRC 400