

9.0 FENSTRATION PRODUCT RATING CERTIFICATE (IP)

Certificate Authorization

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

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

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

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

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

**GLAZING MATERIAL SUPPLIER:**

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

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

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: \_\_\_\_\_

YWW 60 TU Field Glazed (IG, Warm Edge Spacer) Window Wall

| U-factor Matrix<br>Btu/h·ft <sup>2</sup> ·°F |                     | SHGC Matrix                                                                                                                                                                                                                                                                                          |                 | VT Matrix    |               |
|----------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|---------------|
| C.O.G.<br>U-factor                           | Overall<br>U-factor | C.O.G.<br>SHGC                                                                                                                                                                                                                                                                                       | Overall<br>SHGC | C.O.G.<br>VT | Overall<br>VT |
| 0.48                                         | 0.56                | 0.75                                                                                                                                                                                                                                                                                                 | 0.67            | 0.75         | 0.65          |
| 0.46                                         | 0.54                | 0.70                                                                                                                                                                                                                                                                                                 | 0.63            | 0.70         | 0.61          |
| 0.44                                         | 0.52                | 0.65                                                                                                                                                                                                                                                                                                 | 0.58            | 0.65         | 0.57          |
| 0.42                                         | 0.51                | 0.60                                                                                                                                                                                                                                                                                                 | 0.54            | 0.60         | 0.52          |
| 0.40                                         | 0.49                | 0.55                                                                                                                                                                                                                                                                                                 | 0.49            | 0.55         | 0.48          |
| 0.38                                         | 0.47                | 0.50                                                                                                                                                                                                                                                                                                 | 0.45            | 0.50         | 0.44          |
| 0.36                                         | 0.46                | 0.45                                                                                                                                                                                                                                                                                                 | 0.41            | 0.45         | 0.39          |
| 0.34                                         | 0.44                | 0.40                                                                                                                                                                                                                                                                                                 | 0.36            | 0.40         | 0.35          |
| 0.32                                         | 0.43                | 0.35                                                                                                                                                                                                                                                                                                 | 0.32            | 0.35         | 0.31          |
| 0.30                                         | 0.41                | 0.30                                                                                                                                                                                                                                                                                                 | 0.28            | 0.30         | 0.26          |
| 0.28                                         | 0.39                | 0.25                                                                                                                                                                                                                                                                                                 | 0.23            | 0.25         | 0.22          |
| 0.26                                         | 0.38                | 0.20                                                                                                                                                                                                                                                                                                 | 0.19            | 0.20         | 0.17          |
| 0.24                                         | 0.36                | 0.15                                                                                                                                                                                                                                                                                                 | 0.15            | 0.15         | 0.13          |
| 0.22                                         | 0.34                | 0.10                                                                                                                                                                                                                                                                                                 | 0.10            | 0.10         | 0.09          |
| 0.20                                         | 0.33                | 0.05                                                                                                                                                                                                                                                                                                 | 0.06            | 0.05         | 0.04          |
| 0.18                                         | 0.31                | Air Leakage less than or equal to 0.06 cfm/ft <sup>2</sup><br>at a test pressure of 6.24 PSF when tested in<br>accordance with (check one)<br><input type="checkbox"/> AAMA/WDMA/CSA 101/I.S.2/A440<br><input checked="" type="checkbox"/> ASTM E283 (6.24 PSF)<br><input type="checkbox"/> NFRC 400 |                 |              |               |
| 0.16                                         | 0.29                |                                                                                                                                                                                                                                                                                                      |                 |              |               |
| 0.14                                         | 0.28                |                                                                                                                                                                                                                                                                                                      |                 |              |               |
| 0.12                                         | 0.26                |                                                                                                                                                                                                                                                                                                      |                 |              |               |
| 0.10                                         | 0.25                |                                                                                                                                                                                                                                                                                                      |                 |              |               |

The overall ratings for U-factor, SHGC and VT are based on a size of 79 in. X 79 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:**

intertek

Reference NFRC 100 Report #: Q5395.03-116-45

Reference 507-15 Report #: Q5395.02-116-45

Reference AWS Test Report #: J5203.04-550-32

**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.