

9.0 FENSTRATION PRODUCT RATING CERTIFICATE (IP)

Certificate Authorization

Name: _____

Signature: _____

| OVERALL RATING | |
|------------------|-----------------------------|
| U-factor: | (Btu/h·ft ² ·°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: _____

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·ft²·°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 XT
Storefront

TABLE 1 - GLAZING

TABLE 2 - FRAMING

| U-factor Matrix Btu/h·ft ² ·°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 | 0.52 | 0.75 | 0.67 | 0.75 | 0.66 |
| 0.46 | 0.50 | 0.70 | 0.63 | 0.70 | 0.62 |
| 0.44 | 0.49 | 0.65 | 0.58 | 0.65 | 0.57 |
| 0.42 | 0.47 | 0.60 | 0.54 | 0.60 | 0.53 |
| 0.40 | 0.45 | 0.55 | 0.49 | 0.55 | 0.49 |
| 0.38 | 0.44 | 0.50 | 0.45 | 0.50 | 0.44 |
| 0.36 | 0.42 | 0.45 | 0.40 | 0.45 | 0.40 |
| 0.34 | 0.40 | 0.40 | 0.36 | 0.40 | 0.35 |
| 0.32 | 0.39 | 0.35 | 0.32 | 0.35 | 0.31 |
| 0.30 | 0.37 | 0.30 | 0.27 | 0.30 | 0.27 |
| 0.28 | 0.36 | 0.25 | 0.23 | 0.25 | 0.22 |
| 0.26 | 0.34 | 0.20 | 0.18 | 0.20 | 0.18 |
| 0.24 | 0.32 | 0.15 | 0.14 | 0.15 | 0.13 |
| 0.22 | 0.31 | 0.10 | 0.09 | 0.10 | 0.09 |
| 0.20 | 0.29 | 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 #: A3982.02-116-45

Reference 507-07 Report #: A3982.01-116-45

Reference AWS Test Report #: G231-1007-10

Air Leakage less than or equal to 0.06 cfm/ft² 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

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.