

NFRC Product Line Summary (2017 Std)

Simulation Report # FLE17002-1A-HH

Manufacturer Name: Fleetwood Windows & Doors

Product Line ID: FLE-M-72

Simulation Orig Report Date: 2/23/2017

Series/Model: Series 3000 Sliding Door

Model Size: 2000mm x 2000mm

Simulation Revision Date: 2/6/2018

Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)

Frame Abs.: 0.3

Report Type: Simple Addendum

Frame/Sash Type: Aluminum (Non-thermal) (AL) / Aluminum (Non-thermal) (AL)

Simulation Lab Code: SWWW

Note: #Grp'd indicates the number of options in that matrix row, this number will not match the NFRC database option numbers.

| Opt# | #Grp'd | Description/Code | Glass Thicknesses | Gap Width(s) | Gas | Emissivity(sfc) | Spacer/Seal | Divider | U-Factor | CR | Tint | No Dividers | | Dividers < 1" | | Dividers > 1" | |
|------|--------|----------------------|-------------------|--------------|-----|-------------------|-------------|---------|-------------|-----------|------|-------------|------|---------------|------|---------------|------|
| | | | | | | | | | | | | SHGC | VT | SHGC | VT | SHGC | VT |
| 186 | 3 | CIG270/Arg 5mm | 0.197, 0.197 | 0.640 | ARG | 0.037(2) | SS-D | N,G | 0.52 | 15 | CL | 0.30 | 0.55 | 0.27 | 0.48 | 0.24 | 0.42 |
| 187 | 3 | CIG270/Arg 6mm | 0.236, 0.236 | 0.580 | ARG | 0.037(2) | SS-D | N,G | 0.52 | 15 | CL | 0.30 | 0.55 | 0.27 | 0.48 | 0.24 | 0.41 |
| 188 | 3 | CIG270-i89/Arg 5mm | 0.197, 0.197 | 0.640 | ARG | 0.037(2) 0.149(4) | SS-D | N,G | 0.47 | 15 | CL | 0.29 | 0.54 | 0.26 | 0.47 | 0.23 | 0.41 |
| 189 | 3 | CIG270-i89/Arg 6mm | 0.236, 0.236 | 0.580 | ARG | 0.037(2) 0.149(4) | SS-D | N,G | 0.47 | 15 | CL | 0.29 | 0.53 | 0.26 | 0.47 | 0.23 | 0.41 |
| 190 | 3 | SN68-SN68/Air 6mm | 0.236, 0.236 | 0.562 | AIR | 0.039(2) 0.039(3) | A1-D | N,G | 0.55 | 15 | CL | 0.29 | 0.46 | 0.26 | 0.40 | 0.23 | 0.35 |
| 191 | 3 | CIG366/Arg 5mm-Endur | 0.197, 0.197 | 0.640 | ARG | 0.022(2) | SS-D | N,G | 0.51 | 17 | CL | 0.23 | 0.51 | 0.21 | 0.45 | 0.18 | 0.39 |
| 192 | 3 | CIG366/Arg 6mm-Endur | 0.236, 0.236 | 0.580 | ARG | 0.022(2) | SS-D | N,G | 0.51 | 17 | CL | 0.23 | 0.50 | 0.21 | 0.44 | 0.18 | 0.38 |
| 193 | 3 | CIG272/Arg 5mm-Endur | 0.197, 0.197 | 0.640 | ARG | 0.042(2) | SS-D | N,G | 0.52 | 17 | CL | 0.34 | 0.57 | 0.30 | 0.50 | 0.27 | 0.43 |
| 194 | 3 | CIG272/Arg 6mm-Endur | 0.236, 0.236 | 0.580 | ARG | 0.042(2) | SS-D | N,G | 0.52 | 17 | CL | 0.33 | 0.56 | 0.30 | 0.49 | 0.26 | 0.43 |
| 195 | 3 | CIG180/Arg 5mm-Endur | 0.197, 0.197 | 0.640 | ARG | 0.068(2) | SS-D | N,G | 0.53 | 17 | CL | 0.51 | 0.63 | 0.45 | 0.55 | 0.40 | 0.48 |
| 196 | 3 | CIG180/Arg 6mm-Endur | 0.236, 0.236 | 0.580 | ARG | 0.068(2) | SS-D | N,G | 0.52 | 17 | CL | 0.50 | 0.62 | 0.44 | 0.54 | 0.39 | 0.47 |

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)



WESTLab



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Simulation Laboratory

ANSI/NFRC 100/200-2017/NFRC 500-2017 Simulation Report

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WESTLab Report No.:

FLE17002-1A-HH

WESTLab Report Date:

2/23/2017

Revision/Addendum Date:

2/6/2018

NFRC Product Line ID:

FLE-M-72

Report Type:

Simple Addendum

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Frame Type: Aluminum (Non-thermal) (AL)

Sash Type: Aluminum (Non-thermal) (AL)

Baseline Product for U-Factor Validation Testing:

Description: Addendum Report - Physical Testing Not Required.
Refer to the original report for validation product details.

Simulated U-factor:

Test Size (mm): x

Physical Test Tolerance: to

Notes: Manufacturer must have the product described above tested by an accredited physical testing laboratory. Physical test window U-factor results must be within the tolerance range listed above. The baseline product simulated U-factor is within 20% or 0.10 of the lowest simulated U-factor listed in the matrix (as allowed by ANSI/NFRC 100-2017) unless otherwise noted in the "Other Notes and Comments" section.

**Signature of Simulator
In-Responsible-Charge:**

Steve Coble, Certified Simulator

Disclaimers/Notes:

The window U-factor, SHGC, VT & CR values presented in this report were determined using the Therm and Window computer programs in full compliance with ANSI/NFRC 100-2017, ANSI/NFRC 200-2017 and NFRC 500-2017, and from information supplied by the manufacturer. This report does not constitute certification of this product and only relates to the fenestration products simulated. Authorized use of any U-factor, SHGC Visible Transmittance and Condensation Resistance ratings may only be granted by the Certification Program Administrator. WESTLab does not imply or claim that the product simulated in this report will perform as stated in actual use conditions. This report is the property of WESTLab and the client, and must not be reproduced, except in full, without written approval from WESTLab and the client. Ratings values included in this report are for submittal to an NFRC-licensed IA are not meant to be used directly for labeling purposes. Only those values identified on a valid Certification Authorization Report (CAR) by an NFRC accredited Inspection Agency (IA) are to be used for labeling purposes. Rounding of values in this report is per NFRC 601 NFRC unit and measurement policy.

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