

Evaluation Report FPA-WinForce-SL-LM-B
September 14, 2020

Product Description: WinForce PVC Horizontal Slider Window, Large Missile Impact

Manufacturer: Northeast Building Products, 4280 Aramingo Ave., Philadelphia, PA 19124

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 7th Edition (2020) Florida Building Code including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing FPA-WinForce-SL-LM-B, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL- 210-4067-01/01A/01B/01C, and 210-4081-01/01A/01B/01C/02A/02B/02D/02F/03/03B/04/04A/04B, from National Certified Testing Laboratories, Orlando, FL, TAS reports signed and sealed by Gerard J. Ferrara, P.E or Douglas J. McDougall, P.E., with testing performed: AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E 1886-05, ASTM E 1996-05/09, TAS 201/202/203-94
- 4) Supplemental Calculations to support FPA-WinForce-SL-LM-B, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document FPA-WinForce-SL-LM-B.

Limitations of Use: This product:

- May be used in the configurations and sizes as indicated in FPA-WinForce-SL-LM-B
- Achieves design pressures as indicated in FPA-WinForce-SL-LM-B, with flange/equal leg frames
- Is large missile impact resistant and does not require the use of shutters when used in the impact zones as noted in the Approved Configurations table on sheet 1 of FPA-WinForce-SL-LM-B
- May be used in the High Velocity Hurricane Zone in 74x63 and 84x66 XX, 104x66 XOX Equal Lite, and 93x66 XOX 1/4-1/2-1/4 configurations.

Lucas Turner
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Lucas A. Turner, P.E.
FL PE #58201

Limitations of Use (continued):

- Requires glass as indicated in FPA-WinForce-SL-LM-B, with Kuraray Trosifol PVB interlayer per NOA 19-0305.02 or Kuraray SentryGlas interlayer per NOA 17-0808.02 as indicated in Approved Configurations table on sheet 1 of FPA-WinForce-SL-LM-B. I have evaluated the interlayer materials in these NOAs and find that they comply with the requirements of the 7th Ed. (2020) Florida Building Code for use in this product.
- Outer lite in I.G. must be tempered when used in HVHZ above 30ft of grade.
- Requires Deceuninck white rigid PVC extrusions per NOA 19-0619.03. I have evaluated the framing material in this NOA and find that it complies with the requirements of the 7th Ed. (2020) Florida Building Code for use in this product.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Northeast Building Products or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.



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9/14/2020
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