Chang Chun Chemical Corp.
10475 Perry Highway, Suite G103
Wexford, PA 15090

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).
This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: WINLITE® PVB Film Glass Interlayer

APPROVAL DOCUMENT: Drawing No. 1901, titled “Winlite PVB Film”, sheet 1 of 1, dated 05/28/2015, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Laminated lites under this Product Approval shall be permanently marked in a corner of the glass with: “MDCA-Winline PVB”, standing for “Miami-Dade County Approved – Winlite PVB”, and the laminator’s identification mark. These marks shall be applied by the individual laminator producing the finished laminated glass product containing the Winlite PVB interlayer.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as the approval document mentioned above. The submitted documentation was reviewed by Carlos M. Utrera, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Drawing No. 1901, titled "Winlite PVB Film", sheet 1 of 1, dated 05/28/2015, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

<table>
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<tr>
<th>Test report</th>
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<th>Signature</th>
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C. CALCULATIONS
1. None.

D. QUALITY ASSURANCE
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS
1. None.

F. STATEMENTS
3. Distributor agreement dated 08/14/2015.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-1208.01
Expiration Date: October 8, 2020
Approval Date: October 8, 2015
PRODUCT DESCRIPTION

DESCRIPTION: WINLITE PVB FILM BY CHANG CHUN PETROCHEMICALS CO., LTD is a monolithically extruded polyvinyl butyral resin (65% to 75%) & triethylene glycol di-2-ethyl hexanoate plasticizer (25% to 35%). The typical glazing make-up shall include the following components:

"A" = Minimum 0.11" (2.8 mm) annealed glass
"B" = Minimum 0.03" (0.76 mm) WINLITE PVB interlayer
"C" = Minimum 0.11" (2.8 mm) annealed glass

PRODUCT PROPERTIES

<table>
<thead>
<tr>
<th>FOOT NOTE</th>
<th>DESCRIPTION</th>
<th>TEST</th>
<th>TEST RESULTS</th>
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<tbody>
<tr>
<td>(1)</td>
<td>SMOKE DENSITY</td>
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<td>RATE OF BURNING</td>
<td>ASTM D635-06</td>
<td>CLASS CC2 @ 0 IN/MIN</td>
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<td>AVERAGE FLEXURAL STRENGTH</td>
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<td>% CHANGE = +5.8 %</td>
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(1) Specimen tested consisted of the interlayer material laminated between two panes of glass.

GENERAL NOTES:
1. WINLITE PVB by itself does not meet the requirements of the Florida Building Code. It must always be laminated between two (2) panes of glass.
2. Glass alloy is not restricted to annealed. Glass alloy may be annealed, heat strengthened, chemically tempered or tempered.
3. WINLITE PVB is a clear film & shall not be colored nor tinted. Note that clear film does contain small amounts of additives such as stabilizers, etc.
4. WINLITE PVB INTERLAYER has been tested and approved in accordance with the requirements of the Florida Building Code Chapter 26.
5. This is a component approval only & does not include an evaluation of structural performance of this component. Systems incorporating this component as part of their own overall structural system shall apply for their own separate approvals & shall submit test reports and other documents showing that the system using this component will resist the loads according to Chapter 16 of the Florida Building Code.
6. The interlayer may be made up of single or multiple layers as required to achieve the overall interlayer thickness desired.