



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 372-6339**

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**E.I. DuPont De Nemours & Co., Inc.**  
**Chestnut Run Plaza, 712/161, P.O. Box 80712**  
**Wilmington, DE 19880-0712**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: DuPont Spallshield® Interlayer**

**APPROVAL DOCUMENT:** Drawing No. **203.1**, titled “DuPont Spallshield® Interlayer”, Sheet 1 of 1, dated 08/03/10, prepared by E. I. DuPont De Nemours & Co., Inc, signed and sealed by Allan A. Kozich, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Laminated lites under this Product Approval shall be permanently marked in a corner of the glass with: “MDCA-Spallshield®”, standing for “Miami-Dade County Approved – Spallshield®”, and the laminator’s identification mark. These marks shall be applied by the individual laminator producing the finished laminated glass product containing the Spallshield® 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 **renews NOA # 09-1228.05** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
 10/22/10

**NOA No. 10-0819.04**  
**Expiration Date: January 13, 2016**  
**Approval Date: November 10, 2010**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **203.1**, titled "DuPont Spallshield® Interlayer", Sheet 1 of 1, dated 08/03/10, prepared by E. I. DuPont De Nemours & Co., Inc, signed and sealed by Allan A. Kozich, P.E.

**B. TESTS**

	<u>Test report</u>	<u>Standard</u>	<u>Date</u>	<u>Signature</u>
1.	96177.01-106-18	ASTM G155-05	07/28/10	Joseph A. Reed, P.E.
2.	96177.01-106-18	ASTM C158-02	07/28/10	Joseph A. Reed, P.E.
3.	96177.01-106-18	ASTM D1929-96	07/28/10	Joseph A. Reed, P.E.
4.	96177.01-106-18	ASTM D2843-99	07/28/10	Joseph A. Reed, P.E.
5.	96177.01-106-18	ASTM D635-06	07/28/10	Joseph A. Reed, P.E.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Code compliance letter issued by Architectural Testing, Inc, dated 07/28/10, signed and sealed by Joseph A. Reed, P.E.  
  
*"Submitted under NOA # 04-0818.01"*
2. Code Compliance letter issued by Allan A. Kozich & Associates, Inc., dated 08/16/04, signed and sealed by Allan A. Kozich, P.E.
3. Non-financial interest letter issued by Allan A. Kozich & Associates, Inc., dated 08/18/04, signed and sealed by Allan A. Kozich, P.E.

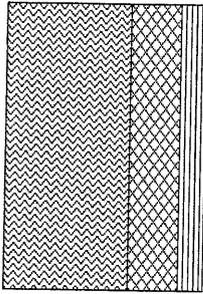


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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 10-0819.04  
Expiration Date: January 13, 2016  
Approval Date: November 10, 2010

# DUPONT SPALLSHIELD® INTERLAYER

## PRODUCT DESCRIPTION



MANUFACTURED BY: E.I. DUPONT DE NEMOURS & CO., INC.  
 A PLASTIC INTERLAYER MATERIAL (B & C) WHICH IS FACTORY LAMINATED TO GLASS (GLASS IS EXTERIOR) COMBINING AN INNER LAYER OF DUPONT PVB AND A LAYER OF ABRASION-RESISTANT CLEAR POLYESTER. A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS, (MINIMUM THICKNESS INDICATED - MULTIPLE PLIES OF COMPOSITE LAYERS CAN BE USED AS NECESSARY):

A B C  
SECTION

A	-	1/8" (3.18 mm) Annealed Glass (or HS/T)
B	-	0.015" (0.38 mm) DuPont Butacite® PVB Interlayer
C	-	0.007" (0.18 mm) DuPont Abrasion-resistant Polyester

## MATERIAL CHARACTERISTICS

### Spallshield® 457 PVB Glass/Plastic Composite Material

Designation	Test	Properties	
Flash Ignition Temperature [1]	ASTM D1929	350 C	
Self Ignition Temperature [1]	ASTM D1929	360 C	
Smoke Density Rating [1]	ASTM D2843	5.1	
Average Linear Burning Rate [1]	ASTM D635	18.2 mm/min	
Flexural Strength Change	ASTM C 158 Method A	* Weathering	
* WEATHERING PER SECTION 2605.2 OF THE FLORIDA BUILDING CODE		Before	After
		3537 psi [2]	3449 psi [2] (-2.5% Change)
* WEATHERING PER SECTION 2605.2 OF THE FLORIDA BUILDING CODE		2953 psi [3]	2905 psi [3] (-1.6% Change)

#### NOTES:

- [1] 60 mil (1.52 mm) thickness DuPont Butacite® PVB Interlayer
- [2] 15 mil (0.38 mm) thickness DuPont Butacite® PVB Interlayer
- [3] 30 mil (0.76 mm) thickness DuPont Butacite® PVB Interlayer
- [4] DuPont Butacite® Interlayer By Itself Does Not Comply With The Florida Building Code

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR A PRODUCT APPROVAL TO THIS OFFICE AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEM USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE FLORIDA BUILDING CODE.

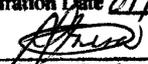
#### PRODUCT RENEWED

as complying with the Florida

Building Code

Acceptance No 10-0819.04

Expiration Date 01/13/2016

By 

Miami Dade Product Control  
Division

AUG 1 3 2010

CA No. 1765

#### DuPont Spallshield® Interlayer

E.I. duPont de Nemours & Co., Inc.

DuPont P&IP - GLS

Chestnut Run Plaza Bldg 712/161

P. O. Box 80712

Wilmington DE 19880-0712

Phone: 302-999-2125

Dwg. # 203.1 rev 2 Sheet 1 of 1

Drawing Date: 08/03/10

Allan A. Kozich, PE

Registration # 16864