



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

E.I. DuPont DeNemours
Box 1217 Bldg. 22
Parkersburg ,WV 26102-1217

Your application for Notice of Acceptance (NOA) of:

Sentry Glass 4510 Laminated Glass

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-0503.01
EXPIRES: 03/15/2004

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 03/15/2001

E.I. DuPont DeNemours & Co., Inc.

ACCEPTANCE NO: 00-0503.01

APPROVED: MAR 15 2001

EXPIRES: MAR 15 2004

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE:

1.1 This renews the Notice of Acceptance NO. 96-0904.05 that was issued on 04/24/97. It approves a laminated glass as described in Section 2 of this Notice of Acceptance (NOA). It is designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County (S.F.B.C.) for the location where the requirements as determined by SFBC Chapter 35 are met.

2.0 PRODUCT DESCRIPTION:

2.1 The SentryGlas4510 Laminated Glass is approved with properties as described in the following document: Drawing No. 00-0503.01, sheet 1 of 1, dated 08/22/00, titled "Dupont SentryGlas* type 4510", prepared by E.I. DuPont DeNemours & Co., Inc. They bear the Miami-Dade County Product Control Approval stamp with NOA number and approval date by the Miami-Dade County Product Control Division. This drawing shall hereinafter be referred to as the approved drawing.

3.0 LIMITATIONS:

3.1 This is a component approval and does not include an evaluation of structural performance of this component. Systems incorporating this component shall apply for an NOA to the Miami-Dade County Product Control Division and shall submit test reports and other required documents showing that the systems using this component will resist the loads according to Chapter 23 of the S.F.B.C.

4.0 INSTALLATION:

4.1 Dupont SentryGlas* Type 4510 shall be fabricated in strict compliance with the approved drawing. A list of authorized laminator shall be filed in this office by E.I. Dupont DeNemours & Co., Inc.

5.0 LABELING:

5.1 Dupont SentryGlas* Type 4510 shall be permanently marked in a corner of the glass with: a) Authorized laminator name. b) Glass standard specifications. & c) D.C.A. LSG that stands for Dade County Approved Laminated Safety Glass. The purpose of this marking is to identify the product at all times.

6.0 BUILDING PERMIT REQUIREMENTS:

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 The NOA of the system using this component.

6.1.2 Any other document required by the Building Official or the South Florida Building Code in order to properly evaluate the installation of the system.


Candido Font, PE. Sr. Product Control Examiner
Product Control Division

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.



Candido Font, PE. Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

E.I. DuPont DeNemours & Co., Inc.

ACCEPTANCE NO: 00-0503.01

APPROVED: MAR 15 2001

EXPIRES: MAR 15 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File Only. Not Part of NOA.)

A DRAWING:

- 1 Drawing prepared by E.I. DuPont DeNemours & Co., Inc., titled DuPont SentryGlass* Type 4510, Drawing No.00-0503.01, sheet 1 of 1, dated 08/22/00 with no revisions.

B TEST REPORTS:

	Report No.	Test	Date	Signature
1	ETL 567924	ASTM D1929	08/26/96	D. K. Tucker, P.E.
2	ETL 567855	ASTM D635	08/26/96	D. K. Tucker, P.E.
3	ETL 567851	ASTM E84	08/26/96	D. K. Tucker, P.E.
4	ETL 567852	ASTM D635	08/26/96	D. K. Tucker, P.E.
5	ETL 567923	ASTM D1929	08/26/96	D. K. Tucker, P.E.
6	SGS 509620-R	ASTM G26	01/30/97	D. H. Mangnall, P.E.
7	SGS 120046-2	ASTM D638	01/31/97	D. H. Mangnall, P.E.

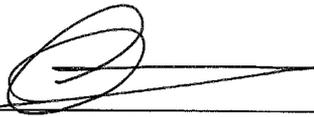
C CALCULATIONS: N/A

D MATERIAL CERTIFICATION:

- 1 NOA # 96-0904.05

E OTHER DOCUMENTS:

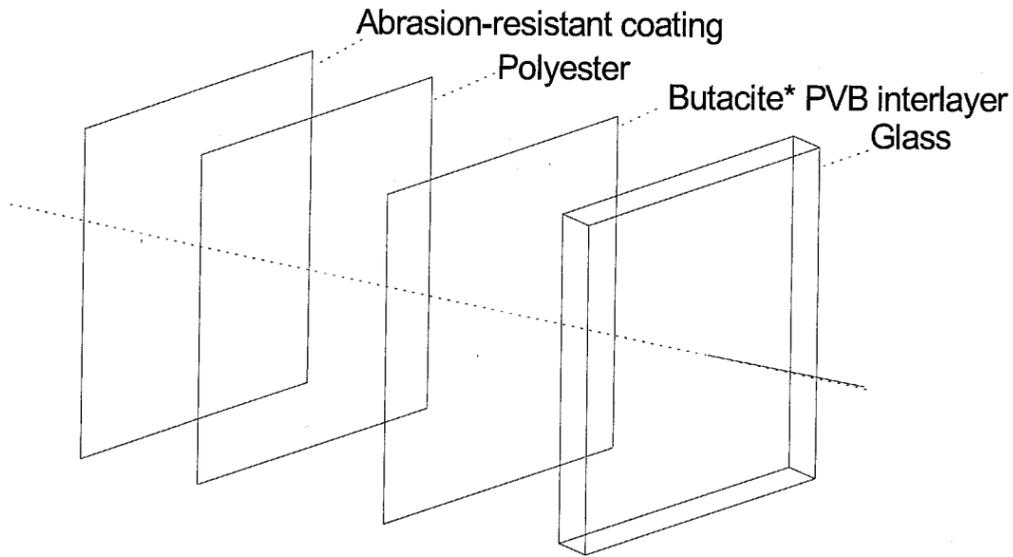
- 1 Code Compliance letter issued by R.E. Fisher & Associates, Inc., on 08/28/96, signed and sealed by W. M. Meyers, P.E.
- 2 No Financial Interest letter issued by C. A. Anthony employed by E.I. DuPont DeNemours & Co., Inc., notarized by K. Boram on 09.02/97.
- 3 Non-financial interest letter issued by R. E. Fisher & Associates, Inc., on 08/28/96, signed and sealed by W. M. Meyers, PE.
- 4 No change letter issued by E.I. DuPont DeNemours & Co., Inc., on 02/14/2001, signed by C. A. Smith Ph. D.


Candido Font, PE. Sr. Product Control Examiner
Product Control Division

EI

DESCRIPTION:

DuPont "SentryGlas*" type 4510 is a composite material which is factory laminated to glass (exterior).of "SentryGlas*" type 4510 combines an inner layer of Butacite* PVB (45 mils) and an outer layer of clear polyester film (10 mils) with an abrasion-resistant coating.



**Material Characteristics
SentryGlas 4510 Glass/Plastic Material**

Designation	Test	Properties
Self Ignition Temperature	ASIM D1929	698 F
Flash Ignition Temperature	ASIM D1929	689 F
Flame Spread Index	ASIM E84	50
Smoke Developed Index	ASIM E84	185
Average Burning Rate	ASIM D635	0.68 in/sec
Average Extent of Burning	ASIM D635	2.95 inches
Average Time of Burning	ASIM D635	4.35 min.

Butacite® "SentryGlas" Laminated

Designation	Test	Properties	
Flash Ignition Temperature	ASTM D1929	698 F	
Self Ignition Temperature	ASTM D1929	716 F	
Average Extent of Burning	ASTM D635	0.57 in.	
Average Time of Burning	ASTM D635	0.86 min.	
Ultimate Tensile Strength	ASTM D638	Weathering	
		Before	After
		30,200 psi	29,900 psi

*Weathering Per Section 3505.2(b) of The South Florida Building Code

USE:

DuPont "SentryGlas*" Type 4510 can be used as component of building systems complying with the South Florida Building Code and approved by this office.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **MAR 15 2001**
BY 
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-0503.01**

E.I. DuPont DeNemours & Co., Inc.
Box #1217 Bldg. 22
Parkersburg, WV 26102
TITLE OF DRAWING
DuPont SentryGlas* Type 4510
Drawing Sheet Drawing Revision
Number Number Date Date
00-0503.01 1 8/22/00 n/a
Engineer's Name. Discipline / Number