MIAMI-DADE

**MIAMI-DADE** COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

**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 SECTION**
(305) 375-2966 FAX (305) 375-2908

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

# PRODUCT CONTROL NOTICE OF ACCEPTANCE

**Plaskolite, Inc.**
**P.O. Box 1497**
**Columbus OH 43216**

Your application for Product Approval of:
***Optix Acrylic Plastic Sheet***
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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.

**Acceptance No.: 00-0508.14**

**Expires: 06/26/2003**

Raul Rodriguez
Chief Product Control Division

**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 Dade County, Florida under the conditions set forth above.

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

**Approved: 07/13/2000**



**Internet mail address: postmaster@buildingcodeonline.com** **Homepage: http://www.buildingcodeonline.com**

**Plaskolite, Inc.**

**ACCEPTANCE NO: 00-0508.14**

**APPROVED : JUL 1 3 2000**

**EXPIRES : 06/26/2003**

## NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 **SCOPE:**

1.1 This renewes the Notice of Acceptance No. 96-1016.01 that was issued on 06/26/97. It approves acrylic plastic sheets as described in Section 2 of this Notice of Acceptance, 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 **Optix Acrylic Plastic Sheets** shall comply with the properties of the following document: Drawing No. MD-1, Sheet 1 of 1, prepared by Plaskolite, Inc., dated 05/31/2000. It bears the Miami-Dace County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawing.

3.0 **LIMITATIONS:**

3.1 This approval does not include an evaluation of structural performance of this component. Test reports and other required documents shall be submitted to Dade County Product Control; showing that the systems using this acrylic sheets will resist the loads according to Chapter 23 of the S.F.B.C., in order to issue an specific product approval for the system.

4.0 **INSTALLATION:**

4.1 The Optix Acrylic Plastic Sheets shall be fabricated and applied in strict compliance with the manufacturer's instructions, the approved drawing and the applicable Section of the South Florida Building Code.

5.0 **LABELING:**

5.1 Each sheet shall bear a permanent label in the corner of the glazing with "DCA" standing for "Dade County Approved". The fabricator producing the acrylic sheets shall apply this logo.

6.0 **BUILDING PERMIT REQUIREMENTS:**

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

6.1.1 This Notice of Acceptance (NOA) and the (NOA) of the system using this component.

6.1.2 Duplicate copies of the approved drawings as identified on section 2 of the NOAs.

6.1.3 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

**Plaskolite, Inc.**

ACCEPTANCE NO : 00-0508.14

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## 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**

# OPTIX® by PLASKOLITE, INC.

**DESCRIPTION:**

Acrylic plastic sheets meeting the requirement of Section 3505 of the South Florida Building Code. The acrylic is manufactured by Plaskolite, Inc. under the name of "Optix" available in crystal clear, bronze, gray and white in thickness ranging from 0.060" to 0.375".

Material Characteristics

| Designation | Test | Properties | | | |
|---|---|---|---|---|---|
| Flash Ignition Temperature | ASTM-D1929 | 689 °F | | | |
| Self Ignition Temperature | ASTM-D1929 | 833 °F | | | |
| Flame Spread Index | ASTM-E84 | 145 < 75 | | | |
| Smoke Develop Index | ASTM-E84 | 310 < 450 | | | |
| Burning Time | ASTM-D635 | 140 sec (ATB) | | | |
| Extent of Burning | ASTM-D635 | 75 (AEB) | | | |
| Tensile Strength | ASTM-D638 | Before Weathering | | After Weathering | |
| | | 1/8" | 1/4" | 1/8" | 1/4" |
| | | psi | psi | psi | psi |
| | | 11666 | 10847 | 11392 | 10702 |
| Flexural Strength | ASTM-D790 | 16337 | 20692 | 17931 | 20580 |
| Smoke Density Rate (%) | ASTM-D2843 | 0.36 | | | |

**USE:**

Optix acrylic sheets may be used as component for the fabrication of specific product as permitted under Section 3505 of the South Florida Building Code where a Notice of Acceptance has been issued by Dade County Product Control Section. End use testing will be required to determine the suitability of the acrylic sheets for each specific application.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE July 13, 2000
BY _____
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0508.14

PLASKOLITE, INC.,
1770 Joyce Avenue, P.O. Box 1497
Columbus, OH 43216-1497

OPTIX Acrylic Plastic Sheet
Information Sheet/Approval Document

| DRAWING NUMBER | SHEET NUMBER | DRAWING DATE | REVISION DATE |
|---|---|---|---|
| MD-1 | 1 | May 31, 2000 | |

Signed: Douglas K. Tucker, P.E., Mechanical Engineer
Florida Registration Number: 47320

Date: 6/5/00