



**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) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**General Electric Company.
One plastics Avenue.
Pittsfield, MA 01201.**

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: Polycarbonate Plastic Sheets.

APPROVAL DOCUMENT: Drawing No.04-080, Sheets 1 & 2 of 2, titled "Lexan Sheet Products" dated 10/21/04, with no revisions prepared by Thornton Tomasetti Group. signed and sealed by John W. Knezevich, PE. bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None. 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 polycarbonate sheets will resist the loads according to Chapter 16 of the F.B.C., in order to issue an specific product approval for the system.

LABELING: Plastic Sheets under this Product Approval shall be permanently marked in a corner of the sheet with: GE Logo, "DCA" standing for "Dade County Approved" and Pittsfield, MA the location of the manufacturing plant. The fabricator producing the polycarbonate sheets shall apply this mark.

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 revises NOA # 03-0924.01 and consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**



[Handwritten signature]
12/03/04

**NOA No: 03-1210.04
Expiration Date: July 17, 2008
Approval Date: December 3, 2004
Page 1**

General Electric Company.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

1. Drawing No.04-080, sheet 1 & 2 of 2, with no revisions, prepared by Thornton Tomasetti Group, dated 10/21/04, with no revisions, signed and sealed by J. W. Knezevich, PE.

B TEST REPORTS:

Laboratory Report	Test	Date	Signature
1. MTS 257700	ASTM G26 & D638	02/17/97	J. M. Bridenstine, PE
2. SGS 120363-3	ASTM D 635	01/22/97	D. H. Mangnall, PE
3. SGS 120363-2	ASTM D 1929	02/22/97	D. H. Mangnall, PE.
4. SGS 120363-1	ASTM D 2843	02/22/97	D. H. Mangnall, PE.
5. USTC 098840-1/3	ASTM D 2843	10/12/90	D. H. Mangnall, PE.
6. USTC 098840-5&6	ASTM D 2843	10/12/90	D. H. Mangnall, PE.
7. USTC 099294	ASTM D 2843	10/29/90	D. H. Mangnall, PE.
8. UL R5601(N)	ASTM E 84	10/06/93	U. L. Inc.
9. USTC 115430-3	ASTM D 635	07/03/95	F. Pepe
10. SGS 102718-3	ASTM D 635	02/06/98	F. Pepe
11 USTC 117080-6	ASTM D 635	02/01/96	F. Pepe
12 SGS 166999-48	ASTM D 1929	05/11/04	V. J. Conforti
13. SGS 168591-5	ASTM D 2843	06/07/02	P. Shah
14 USTC 117080-3	ASTM D 2843	01/01/96	F. Pepe

C CALCULATIONS:

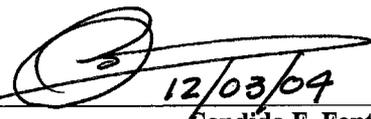
N/A

D QUALITY ASSURANCE:

1. Miami-Dade Product Control Division.

E STATEMENTS:

1. No change letter issued by General Electric Company on 07/07/00, signed by D. Furlano.
2. No change letter issued by General Electric Company on 07/07/00 signed by D. Furlano



12/03/04

Candido F. Font PE.
Sr. Product Control Examiner
NOA No 03-1210.04
Expiration Date: July 17, 2008
Approval Date: December 3, 2004

MATERIAL CHARACTERISTICS:

DESCRIPTION	TESTING STANDARD	PROPERTIES																			
		LEXAN® THERMOCLEAR (SEE NOTE 8)														LEXGARD					
		LTS 4.5MM/2RS		LTC 2R6		LTC 2R8		LTC 2R10		LTC 3T16		LTC 20/5RS3300		LTC 25/6RS3500		LTC 32/5X3	MPC375	MPC500	MP1000	SP1250	
4.5 mm	6 mm	8 mm	10 mm	16 mm	20 mm	25 mm	32 mm	0.375 IN	0.500 IN	1.000 IN	1.250 IN										
SELF-IGNITION	ASTM D-1929	1110° F		1110° F		1110° F		1110° F		1110° F		1110° F		1110° F		1110° F		1080° F	1080° F	1080° F	1080° F
FLASH IGNITION	ASTM D-1929	940° F		940° F		940° F		940° F		940° F		940° F		940° F		940° F		960° F	960° F	960° F	960° F
		ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB				
AVG. BURNING TIME	ASTM D-635	10 sec	60 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	15 sec	85 sec	95 sec	110 sec	125 sec	60 sec	17 sec	8 sec	6 sec	4 sec	
AVG. EXTENT OF BURNING	ASTM D-635	5 mm	35 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	--	--	45 mm	55 mm	10 mm	8 mm	7 mm	14 mm	5 mm	
BURNING RATE	ASTM D-635	--	--	--	--	--	--	--	--	--	--	53.8 mm/min	47.9 mm/min	--	39.4 mm/min	--	--	--	--	--	
BURNING RATE CLASS	ASTM D-635	CC1	CC2	CC1	CC1	CC1	CC1	CC1	CC1	CC1	CC1	CC2	CC2	CC2	CC2	CC1	CC1	CC1	CC1	CC1	
SMOKE DENSITY	ASTM D-2843	--	--	--	--	--	--	--	--	--	--	73.6%		--	--	71.1%	72.9%	25.1%	74.9%		
SMOKE DENSITY	ASTM E-84	35	70	70	70	70	70	100	<450	--	--	275	<450	--	--	--	--	--	--		
FLAME SPREAD	ASTM E-84	5	5	5	5	5	5	5	55	--	--	120	90	--	--	--	--	--	--		

Thornton-Tomasetti Group
 330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301
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 Website: www.TheTTGroup.com
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LEXAN® SHEET PRODUCTS
GENERAL ELECTRIC COMPANY
 GE ADVANCED MATERIALS
 SPECIALTY FILM & SHEET
 ONE PLASTIC AVENUE
 PITTSFIELD, MA 01201

John W. Knezevich
 Professional Engineer
 FL License No.: PE 0041961

OCT 22 2004

no	date	by	description

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 03-1210-04
 Expires Date 07/17/08
 Division

date 10/21/2004
 scale AS NOTED drawn by MCR
 design by TLF checked by JWK
 drawing no. 04-080
 sheet 2 of 2

MATERIAL CHARACTERISTICS:

DESCRIPTION	TESTING STANDARD	PROPERTIES						
		Lexan® 9030			XL-10	MR-10		Mega-Corrugated
		0.030 IN	0.060 IN	0.080 IN	0.125 IN	0.125 IN	0.500 IN	0.093 IN
SELF-IGNITION	ASTM D-1929	980° F	980° F	980° F	980° F	980° F	980° F	1080° F
FLASH IGNITION	ASTM D-1929	780° F	780° F	780° F	780° F	780° F	780° F	920° F
AVG. BURNING TIME	ASTM D-635	95 sec	250 sec	40 sec	45 sec	25 sec	50 sec	< 5 sec
AVG. EXTENT OF BURNING	ASTM D-635	45 mm	--	20 mm	10 mm	10 mm	20 mm	< 5mm
BURNING RATE	ASTM D-635	23.33 mm/min	18.1 mm/min	--	--	--	--	--
BURNING RATE CLASS	ASTM D-635	CC2	CC2	CC1	CC1	CC1	CC1	CC1

DESCRIPTION	TESTING STANDARD	PROPERTIES						
		Lexan® 9034		XL-10		MR-10		Mega-Corrugated
		0.125 IN	0.225 IN	0.093 IN	0.500 IN	0.125 IN	0.500 IN	0.082 IN
SMOKE DENSITY	ASTM D-2843	64.5%	69.1%	73.2%	68.7%	67.0%	69.8%	-
SMOKE DENSITY	ASTM E-84	-	-	-	-	-	-	360

DESCRIPTION	TESTING STANDARD	Lexan® 9034	
		0.033 IN	
		MD	CD
TENSILE STRENGTH BEFORE WEATHERING	ASTM D-638	8940 PSI	8730 PSI
TENSILE STRENGTH AFTER WEATHERING	ASTM D-638	8880 PSI	8920 PSI
PERCENT DIFFERENCE		-0.7%	2.1%

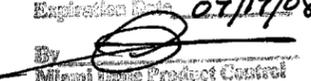
MD - MACHINE DIRECTION
CD - CROSS DIRECTION

GENERAL NOTES:

- THIS LEXAN® POLYCARBONATE MATERIAL COMPLIES WITH THE 2001 FLORIDA BUILDING CODE WITH 2002 AND 2003 REVISIONS INCLUDING HVHZ PROVISIONS.
- THIS IS A MATERIAL COMPLIANCE DOCUMENT. ANY SPECIFIC USE OF THE MATERIAL AS A BUILDING COMPONENT SHALL REQUIRE A SPECIFIC APPROVAL DESIGNATING THE APPLICABLE USE.
- ACCELERATED WEATHERING TESTING CONDUCTED PER ASTM G-26 ON LEXAN® 9034 WITH STANDARD LIGHT TRANSMISSION INDEXES. COLORED OR TINTED SHADES ARE OUTSIDE THE SCOPE OF THIS TESTING AND APPROVAL DOCUMENT.
- LEXAN® 9034 REPRESENTS THE UNCOATED POLYCARBONATE SHEET AND IS APPROVED FOR USE IN EXTERIOR APPLICATIONS WITHOUT THE UV PROTECTIVE COATING. SEE NOTE 2.

LEXAN® 9034 SHEET QUALIFIES: LEXAN® 9030, BOTH SURFACES SMOOTH
LEXAN® 9038, MATTE SURFACE TEXTURE
LEXAN® 90316, PRISMATIC SURFACE
LEXAN® 90317, PRISMATIC SURFACE
LEXAN® PAG, PEBBLE SURFACE TEXTURE
- LEXAN® MEGA-CORRUGATED UTILIZES LEXAN® 9034 AS A BASE PRODUCT AND QUALIFIES LEXAN® CORRUGATED AND THIN-CORRUGATED AND IS APPROVED FOR EXTERIOR USE.
- MR-10 SHEETS UTILIZE LEXAN® 9034 AS A BASE PRODUCT AND ARE APPROVED FOR EXTERIOR USE. SEE NOTE 2.
- XL-10 SHEETS UTILIZE LEXAN® 9034 AS A BASE PRODUCT AND ARE APPROVED FOR EXTERIOR USE. SEE NOTE 2.

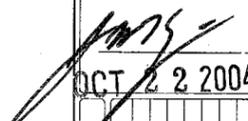
LEXAN® XL-10 SHEET QUALIFIES: LEXAN® SG-100, SMOOTH SURFACES
LEXAN® SGC100, SMOOTH SURFACES
LEXAN® SG300, MATTE SURFACE TEXTURE
LEXAN® SG400, WHITE
LEXAN® SG410 SHEET
- LEXAN® THERMOCLEAR SHEETS ARE MULTI-WALL POLYCARBONATE PLASTIC SHEETS OF LEXAN® RESIN MANUFACTURED BY GE ADVANCED MATERIALS. THERMOCLEAR SHEETS ARE FOR INTERIOR APPLICATIONS ONLY.
- LEXAN® LEXGARD IS A POLYCARBONATE LAMINATE OF LEXAN® RESIN MANUFACTURED BY GE ADVANCED MATERIALS INCORPORATING UV COATING AND IS APPROVED FOR EXTERIOR USE. SEE NOTE 2.
- MINIMUM SHEET THICKNESS SHALL BE 0.030" FOR EXTERNAL APPLICATIONS.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 03-1210-04
 Expiration Date 07/17/08
 By 
 Material Control Product Control
 Division

Thornton-Tomasetti Group
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 SPECIALTY FILM & SHEET
 ONE PLASTIC AVENUE
 PITTSFIELD, MA 01201

John W. Knezevich
 Professional Engineer
 FL License No.: PE 0041961


 OCT 22 2004

no	date	by	description

date 10/21/2004
 scale AS NOTED drawn by MCR
 design by TLF checked by JWK
 drawing no. 04-080
 sheet 1 of 2