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) 375-2908
www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

Royal Outdoor Products, Inc.
401 E. Syracuse Street, P. O. Box 360
Milford, IN 46542-0360

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: **Brock Deck System**

APPROVAL DOCUMENT: Drawing No. 1 Sheets 1 of 1, titled " Brock Dock Planking for Dock/Deck " dated 09/03/98, with no revisions, prepared by Royal Crown Limited , signed and sealed by N. C. Myers, PE., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: **None**

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 # 07-0524.04** and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
10/09/2008

NOA No. 08-0625.01
Expiration Date: 08/04/2011
Approval Date: 10/09/2008

Royal Outdoor Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0808.07

A. DRAWINGS

1. *Drawing prepared by Royal Crown Limited titled "Brock Dock Planking for Dock/Deck", Drawing No. 1, dated 09/03/98 with no revisions Sheets 1 of 1 signed and sealed by N. C. Myers, PE.*

B. TEST

Laboratory Report	Test	Date	Signature
S.F.T.S. # TCF1-1 x 1489	*ASTM G26*	*04/18/94*	*D. J. Dietz*
SGS U.S. # 117436-1	*ASTM D1929*	*03/01/96*	*D.H. Mangnall PE.*
SGS U.S. # 117436-2	*ASTM D 635*	*03/01/96*	*D.H. Mangnall PE.*
P.E. Inc. # 92-2086	*Load Test*	*12/03/92*	*N.C. Myers PE.*
P.E. Inc. # 92-2080	*Load Test*	*12/07/92*	*N.C. Meyers PE.*
P.E. Inc. # 92-2172	*Pull Off Test*	*12/14/92*	*N.C. Meyers PE.*

C. CALCULATIONS

1. *Load calculations sheets 1 & 2 dated August 21, 1995 and prepared by N.C. Myers PE.*
2. *Moduli calculations sheet 1 through 7 of 7 dated December 05, 1995 and prepared by N.C. Myers PE.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

1. *Physical Property Retention by Triple Crown, 8 pages without signature or date.*

F. STATEMENTS.

1. *Continuity Letter by royal Crown Limited dated 07/30/98 signed and sealed by D.G.Yoder.*
2. *No change letter issued by Royal Crown Limited on 06/04/01 and signed by D.G.Yoder.*
3. *Bill of Sale of CTB materials, inventory, etc to Royal Crown Limited dated 05/29/97 and signed by J. C. Chocola President.*
4. *One year approval letter prepared by Building Code Compliance Office on 09/11/06 signed by C. F. Font and accepted by D. Yoder on 11/22/06.*

Hemy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0625.01
Expiration Date: 08/04/2011
Approval Date: 10/09/2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0524.04

A. DRAWINGS

1. *Drawing prepared by Royal Crown Limited titled "Brock Dock Planking for Dock/Deck", Drawing No. 1, dated September 03, 1998 with no revisions Sheets 1 of 1 signed and sealed by N. C. Myers, PE.*

B. TEST

Laboratory Report	Test	Date	Signature
S.F.T.S. # TCF1-1 x 1489	*ASTM G26*	*04/18/94*	*D. J. Dietz*
SGS U.S. # 117436-1	*ASTM D1929*	*03/01/96*	*D.H. Mangnall PE.*
SGS U.S. # 117436-2	*ASTM D 635*	*03/01/96*	*D.H. Mangnall PE.*
P.E. Inc. # 92-2086	*Load Test*	*12/03/92*	*N.C. Myers PE.*
P.E. Inc. # 92-2080	*Load Test*	*12/07/92*	*N.C. Meyers PE.*
P.E. Inc. # 92-2172	*Pull Off Test*	*12/14/92*	*N.C. Meyers PE.*

C. CALCULATIONS

1. *Load calculations sheets 1 & 2 dated August 21, 1995 and prepared by N.C. Myers, PE.*
2. *Modules calculations sheet 1 through 7 of 7, dated December 05, 1995, prepared by N.C. Myers PE.*

D. QUALITY ASSURANCE

1. *By Miami Dade Building Code Compliance Office (BCCO).*

E. MATERIAL CERTIFICATION

1. *Physical Property Retention by Triple Crown, 8 pages without signature or date.*

F. STATEMENTS

1. *No change letter issued by Royal Crown Limited on May 15, 2007 and signed by Denny G. Yoder, President*
2. *Testing Progress Report by Progressive Engineering, Inc., dated June 27, 2007, signed by Jason Holdeman, Laboratory Manager.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0625.01
Expiration Date: 08/04/2011
Approval Date: 10/09/2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

Laboratory	Report #	Test	Date	Signature
Intertek ETL Semko	*3129220SAT-002*	*ASTM D 635-03*	*08/17/07*	*Chris Bowness, PE.*
Intertek ETL Semko	*3129220SAT-004*	*ASTM D1929-96*	*08/17/07*	*Chris Bowness, PE.*
Intertek ETL Semko	*3129220SAT-001*	*ASTM E84-05*	*08/06/07*	*Chris Bowness, PE.*
Intertek ETL Semko	*3129220SAT-003*	*ASTM D2843-99*	*08/17/07*	*Chris Bowness, PE.*
Progressive Eng., Inc.	*2006-1055*	*ASTM D 1761*	*06/30/07*	*William Heirek, P.E.*
Progressive Eng., Inc.	*2006-1055*	*ASTM D 4761-05*	*06/30/07*	*William Heirek, P.E.*
Progressive Eng., Inc.	*2007-755*	*ASTM D 638*	*06/30/07*	*William Heirek, P.E.*

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

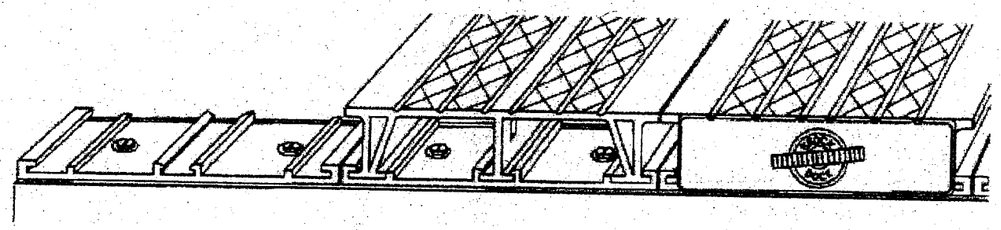
E. MATERIAL CERTIFICATIONS

1. None.

Hemy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0625.01
Expiration Date: 08/04/2011
Approval Date: 10/09/2008

DESCRIPTION:

Brock Planks is a Rigid PVC Deck material for exterior use as docks, piers and residential patio surfaces, to a maximum of 15' above ground elevation, for personnel traffic only and as a non fire rated assembly.



Physical Properties

Description	Test	Properties	
Specific Gravity	ASTM-D792	1.46	
Hardness	ASTM-D2240	80	
Cell Classification	ASTM-D4216	134333-22	
Self Ignition Temp.	ASTM-D1929	850 deg. F	
Flash Ignition Temp.	ASTM-D1929	840 deg. F	
Ave. Time of Burning	ASTM-D635	5 sec	
Ave. Extent Of Burning	ASTM-D635	10 mm	
		BEFORE*	AFTER *
Compressive Strength	ASTM-D695	9944 psi	10930 psi
*Weathering Per Section 3505.2 of the S.F.B.C.			

COMPONETS:

PVC Planks	Width:	Nominal 6" (5 7/8")
	Length:	47", 48", 96", 144", & 192"
Aluminum Clip Strip	Types:	Starter, End, Single
	Length:	36", 48", 60", & 72"
Fastener Clip/Joist	Screw	SS #8 x 1.25"
PVC Accessories	Plank Cover:	Plank End Cap
		C Channel 96". 120" & 144"

Design Table:

Allowable Loads

L/180

Span (in.)	(in.) Deflection	(lb/ft^2) Load	(in.-lb) Moment	(lb/in.^2) Stress	Point Load 6" bd. (lbs.)
12	0.07	453	340	349	142
16	0.09	184	245	252	77
18	0.10	128	216	222	60
24	0.13	53	159	163	33

L/240

Span (in.)	(in.) Deflection	(lb/ft^2) Load	(in.-lb) Moment	(lb/in.^2) Stress	Point Load 6" bd. (lbs.)
12	0.05	323	242	249	101
16	0.07	143	191	196	60
18	0.08	102	172	177	48
24	0.10	40	120	123	26

L/360

Span (in.)	(in.) Deflection	(lb/ft^2) Load	(in.-lb) Moment	(lb/in.^2) Stress	Point Load 6" bd. (lbs.)
12	0.03	194	146	149	61
16	0.04	82	109	112	34
18	0.05	64	108	111	30
24	0.07	28	84	86	18

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-0625.01
Expiration Date 08/04/2011
By Helen A. Mah
Miami Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 07-0524.04
Expiration Date 08/04/2008
By
Miami Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 06-0808.07
Expiration Date 08/04/07
By
Miami Dade Product Control Division

Ned C. Myers
9/9/98

OFFICE USE

PRODUCT RENEWED
ACCEPTANCE No. 01-0411.13
EXPIRATION DATE 08/04/2006
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE October 22 1998
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0807.01

ROYAL CROWN LIMITED
401 E SYRACUSE ST.
MILFORD IN 46542

Royal Crown Limited.

DESC. BROCK DOCK PLANKING for DOCK/DECK

DATE: 9/3/98	DRAWING NUMBER	SHEET NUMBER
PROFESSIONAL ENGINEER: Ned C. Myers	1	1