



MIAMI-DADE
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)

Bonsal American
8201 Arrowridge Blvd.
Charlotte, NC 28244

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: Exterior Insulation and Finish Systems

APPROVAL DOCUMENT: Drawing No. 9547, titled "Surewall Flex System over Concrete Block Wall", sheets 1 of 1, prepared by Bonsal American, dated 05/26/99 with no revisions, signed and sealed by L. F. Brill, 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: Large and Small Missile Impact

LABELING: Each component package shall bear a permanent label with the manufacturer's name or logo, city, state and 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 # 99-0421.05 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido E. Font, P.E.**



[Handwritten signature]
07/03/03

NOA No 03-0103.03
Expiration Date: June 13, 2007
Approval Date: July 3, 2003
Page 1

Bonsal American.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A DRAWING

1. Drawing prepared by Brill & Rodrigues, Inc. titled "Surewall Flex System over concrete block wall", drawing No A1, sheets 1 of 1, dated 05/26/99, with no revisions signed and sealed by L.F. Brill, PE.

B TEST

- 1 Test report on Cyclic Load Test and Structural Test of "CMU block wall onto which the Surewall Flex Sytem EIFS was mounted", prepared by Hurricane Test Laboratory, Inc., report # 0072-1011-95, dated 10/23/96, signed and sealed by T. S. Marshall, PE.
- 2 Test report on Pull-Off Strength of Coatings of "Surewall on 10 different substrates", prepared by United States Testing Company, Inc., report No. 400419, dated 03/10/94, signed by J. Kwiatkowski.
- 3 Test report on Surface Burning Characteristics of "Surewall Flex Base System", prepared by Southwest Research Institute, report No. 01-6739-052, dated 02/15/95, signed by A. B. Wenzel.
- 4 Test report on Ignitibility Characteristics of "Surewall Flex Base System", prepared by Southwest Research Institute, report No. 01-6867-002a, dated February 1995, signed by H. W. Stacy.
- 5 Report Fire Resistance Evaluation of "Surewall Flex Base System", prepared by Southwest Research Institute, report No. 01-6867-001, dated February 1995, signed by H. W. Stacy.

C CALCULATION

N/A

D MATERIAL CERTIFICATION

N/A

E STATEMENTS

- 1 No change letter, issued by W. R. Bonsal Company on 04/01/99, signed by J. Cover and notarized by J. S. Forbis.
- 2 No change letter issued by Bonsal American on 05/20/03 and signed by J. L. Cover.
- 3 Purchase statement of Bonsal American and W. R. Bonsal Company prepared by W. R. Bonsal III on 02/25/03 and signed by W. R. Bonsal III.
- 4 Certification of Dissolution of W. R. Bonsal Co. by The Department of Secretary of State of North Carolina, signed by E. F. Marshall on 11/09/01



Candido F. Font, P.E.
Senior Product Control Examiner
NOA No 03-0103.03
Expiration Date: June 13, 2007
Approval Date: July 3, 2002

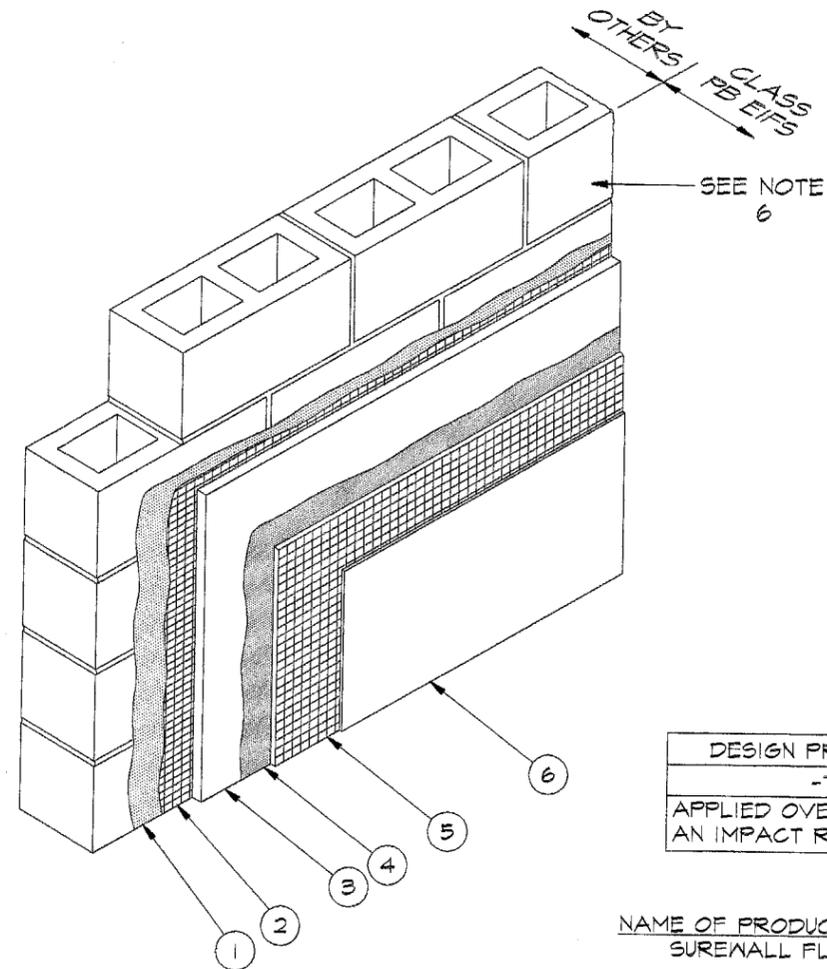
LEGEND

- ① **ADHESIVE APPLICATION-** SUREWALL FLEX BASE COAT (BC): APPLY BC USING A NOTCHED TROWEL ONTO THE PERIMETER OF THE BLOCK SURFACE TO A MINIMUM THICKNESS OF 1/16".
- ② **DETAIL MESH APPLICATION-** 4.2 oz/s.y. SUREWALL GLASS MESH: SINGLE LAYER SUREWALL GLASS MESH EMBEDDED INTO BASE COAT. OVERLAP THE SUBSTRATE BY A MIN. OF 2 1/2" WITH MESH.
- ③ **INSULATION APPLICATION-** CELLOFOAM EPS, APPROVED 93-0619.1. INSULATION TO BE A THICKNESS OF 3/4" AND A DENSITY OF 1.0 PCF (NOMINAL)
- ④ **ADHESIVE APPLICATION-** SUREWALL FLEX BASE COAT (BC): APPLY BC USING A FLAT TROWEL ONTO EXPOSED SURFACE OF THE CELLOFOAM EPS INSULATION, MINIMUM THICKNESS 1/16"
- ⑤ **STANDARD MESH APPLICATION-** 4.2 oz/s.y. SUREWALL GLASS MESH: EMBED GLASS MESH INTO BC MIXTURE AND FINISH SMOOTH USING A TROWEL. ALL MESH LAP POINTS TO BE A MINIMUM OF 2 1/2" IN ALL FOUR SIDES.
- ⑥ **FINISH APPLICATION-** SUREWALL ELASTOCOAT SAND FINISH: APPLY FINISH USING A TROWEL, NOMINAL THICKNESS 1/16".

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE 1994 EDITION AND ITS LATEST SUPPLEMENTS.
2. THIS SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH THE DADE COUNTY PROTOCOL PA-202 AND PA-203 FOR STRUCTURAL AND CYCLIC TESTING.
3. THIS SYSTEM SHALL BE APPLIED BY A LICENSED PLASTERING CONTRACTOR FOLLOWING THIS NOTICE OF ACCEPTANCE, THE RECOMMENDATION OF W.R. BONSAI CO. AND THE APPLICABLE SECTION OF THE FLORIDA BUILDING CODE.
4. THE ENGINEER AND/OR ARCHITECT OF RECORD FOR EACH PROJECT USING THIS SYSTEM SHALL DESIGN THE CONCRETE BLOCK WALL AS REQUIRED BY GOVERNING CODES AND THIS DOCUMENT.
5. INSULATION BOARDS SHALL BE POSITIONED IN A RUNNING BOND PATTERN.
6. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90 AND TYPE-S, MORTAR PER ASTM C-270.

BRILL & RODRIGUEZ, INC.



DESIGN PRESSURE RATING
-75 PSF
APPLIED OVER CONCRETE BLOCKS, AN IMPACT RESISTANT SUBSTRATE

NAME OF PRODUCT:
SUREWALL FLEX SYSTEM

DESCRIPTION OF PRODUCT:
CLASS PB (POLYMER BASED) EXTERIOR
INSULATION AND FINISH SYSTEM OVER
CONCRETE UNIT MASONRY.

PROPERTIES OF CELLOFOAM EPS

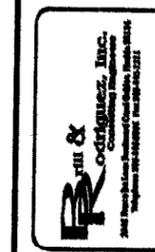
DESCRIPTION	ASTM	PROPERTIES
DENSITY	C-303 OR D-1622	.090 PCF MIN. 1.0 PCF MAX.
THERMAL RESISTANCE	C-177 OR C-518	3.85 @ 75°F. 4.17 @ 40°F.
COMP. STRENGTH	D1621	10 - 14 PSI
FLEXURAL STRENGTH	C-203	25 - 30 PSI
WATER VAPOR TRANSMISSION	E-96	20 - 50 PERMS - IN
WATER ABSORPTION	C-272	LESS THAN 4% BY VOLUME
OXYGEN INDEX	D-2863	24%

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0103.03
Expiration Date 06/13/07

By
Miami Dade Product Control
Division

Date: 5-26-04
Drawn by: J.L.R.
Checked by: L.F.B.
Scale: N.T.S.

File number
9547
drawing
A1
of 1



**SUREWALL FLEX SYSTEM
OVER CONCRETE BLOCK WALL**
BONSAI AMERICAN 8201 ARROWRIDGE BLVD. CHARLOTTE, NC 28244