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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Eco-Block, LLC
300 SW 2 Street, Suite 10 (P.O. Box 14814)
Ft Lauderdale ,FL 33302

Your application for Notice of Acceptance (NOA) of:
Insulated Concrete Form Building Systems
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.

ACCEPTANCE NO.: 00-1024.02
EXPIRES: 07/30/2006

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 Miami-Dade County, Florida under the conditions set forth above.

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

APPROVED: 01/11/2001

Eco-Block, LLC

ACCEPTANCE NO: 00-1024.02

APPROVED: JAN 1 1 2001

EXPIRES: 07/30/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 98-0421.01, which was issued on 07/30/98. It approves Eco-Block, Insulated Concrete Form described in Section 2 of this Notice of Acceptance designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County (SFBC) and the specifications for rigid cellular polystyrene thermal insulation ASTM C-578.

2. PRODUCT DESCRIPTION

2.1 The **Eco-Block, Insulated Concrete Form** shall be fabricated in strict compliance with the following document: Drawing No. 98136, titled "Eco-Block 2000", Sheet 1 of 1, dated 06/18/98 signed and sealed by Alan J. Davis PE. It bears the Miami Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall herein after be referred to as the approved drawings.

3. LIMITATIONS

3.1 This insulation system may be used within fire rated assemblies that have been tested in accordance with ASTM E-119 or if protected by an approved automatic fire extinguishing system

4. INSTALLATION

4.1 This insulation system shall be installed in strict compliance with the approved drawing.

5. LABELING

5.1 Each block shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement "Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

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

- **6.1.1** This Notice of Acceptance
- **6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance
- **6.1.3** Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of this system.

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

Eco-Block, LLC

ACCEPTANCE NO.: 00-1024.02

APPROVED: JAN 1 1 2001

EXPIRES: 07/30/2006

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.

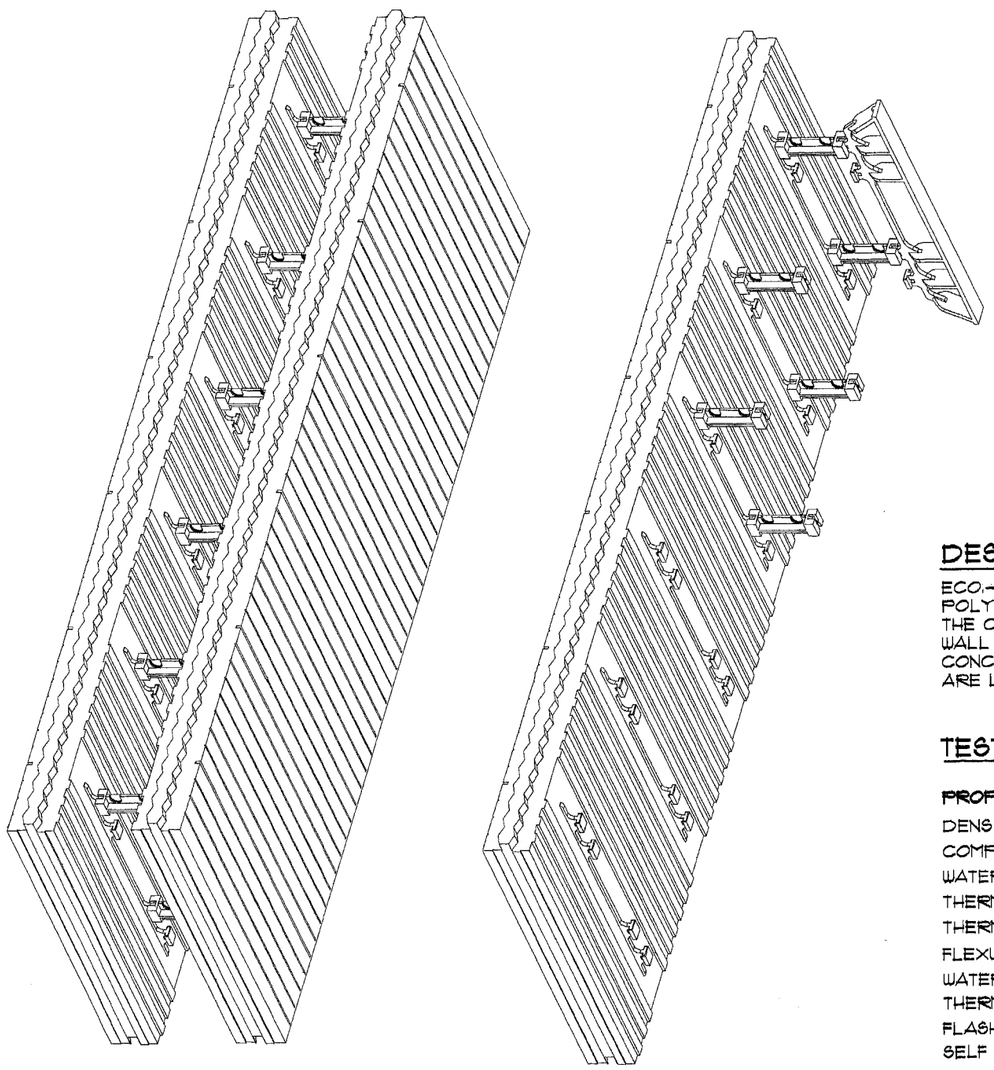
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as 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



ISOMETRIC DRAWINGS
ECO-BLOCK 2000 STANDARD BLOCK

DESCRIPTION:

ECO.—BLOCK 2000 ARE INSULATED CONCRETE FORMS MADE OF EXPANDED POLYSTYRENE (EPS) USED TO BUILD REINFORCED CONCRETE WALLS. AFTER THE CONCRETE HAS HARDENED, THE FORMS STAY IN PLACE AND BECOME THE WALL INSULATION. THE SYSTEM SHALL COMPLY WITH ACI 347 AND THE CONCRETE WALLS SHALL COMPLY WITH ACF 318. THE PROPERTIES OF EPS ARE LISTED BELOW.

TEST RESULTS

PROPERTIES	TEST	RESULTS
DENSITY	ASTM C 303	1.44 PFC
COMPRESSIVE STRENGTH	ASTM D 1621	22 PSI
WATER ABSORPTION	ASTM C 272	(W) 56.9%, (V) 1.41%
THERMAL & HUMID AGING	ASTM D 2126 (40° C)	(1 DAY) -.28%, (7 DAY) -.12%
THERMAL & HUMID AGING	ASTM C 2126 (70° C)	(1 DAY) -.26%, (7 DAY) -.59%
FLEXURALPROPERTIES	ASTM C 203	50.6 PSI
WATER VAPOR TRANSMISSION	ASTM E 96	2.00 PERMS
THERMAL TRANSMISSION.	ASTM C 518	9.6 hft² F/BTU
FLASH IGNITION TEMP.	ASTM D 1929 (EPS)	698° F
SELF IGNITION TEMP.	ASTM D 1929 (EPS)	860° F
FLASH IGNITION TEMP.	ASTM D 1929 (CONN)	608° F
SELF IGNITION TEMP.	ASTM D 1929 (CONN)	644° F
RATE OF BURNING	ASTM D 635	0.56 IN/MIN
FLAME SPREAD 1	ASTM E-84	0
SMOKE DEVEL. 1	ASTM E-84	300

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 30 1998
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0421.01

PRODUCT RENEWED
ACCEPTANCE No. 00-1024.02
EXPIRATION DATE 07/30/2006
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ALAN J. DAVIS P.E.
STRUCTURAL ENGINEER
P.E. No. 11235

TITLE:
ECO-BLOCK™ 2000
INSULATED CONCRETE FORM

P.O.BOX 14814
FT. LAUDERDALE, FL. 33302

O.L. No. 127365-5
E.B. No. 0001809
DAVIS ENGINEERS P.A.
780 TAMIAMI CANAL ROAD
MIAMI, FLORIDA 33144
(305) 266-2566

DATE: 6-18-98
DWG. No. 98136
1 OF 1