

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

Dansk Eternit Holding A/S
353 Greenfield Court
Marietta, GA 30068

Your application for Notice of Acceptance (NOA) of:

Cembonit B7 Roof Tiles

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.: 00-0222.01

EXPIRES: 03/01/2004



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: 03/01/2001

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: 07320 Roofing Tiles

Approval Date: **March 1, 2001**

Materials Fiberous Cement Tiles
Deck Type: Wood

Expiration Date: **March 1, 2004**

SCOPE:

This approves a roofing system using CEMBONIT® B7 Fiber Cement Roof Tile, as manufactured Dasnk Eternit Holding A/S. 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. For the locations where the pressure requirements, as determined by applicable building codes, do not exceed the design pressure values obtain by calculations in accordance with RAS 127 section 3 as an uplift based system using the values listed in Table 2 herein.

PRODUCT DESCRIPTION:

<u>Manufactured by Applicant</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
CEMBONIT® B7 Roof Tile	l = 43.04" w = 23.88" 0.269" thick	PA 135	Fibrous Cement Tile

COMPONENTS OR PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
#14 x 4-1/2" Screw	N/A	PA 114 "E"	#14 x 4-1/2 " corrosion resistant lag screw with aluminum sealing washer	Generic.
Colored Screw caps	3/4 x 1-1/4"	N/A	Plastic colored screw caps.	Generic

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Applied Research Laboratories	Report # 29846	PA 135 PA 100 PA 102	08/31/99



Frank Zuloaga, RRC
Roofing Product Control Examiner

APPROVED ASSEMBLY:

Deck Type: Wood, Non-insulated

Deck Description: New Construction
¹⁹/₃₂" or greater plywood or wood plank.

Slope Range: 4":12" or greater

Underlayment: Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1-1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. All underlayment laps shall be sealed with approved roofing cement.

Valleys: Valley metal shall be a minimum of 18 inches wide centered in the middle of the valley secured 6 inches o.c. with approved ring shank nails, and with laps sealed with approved roofing cement and membrane. Valley detail shall be in compliance with the current published installation instructions and details in Dansk Eternit Holding A/S current Installation Manual.

Tile Installation:

Each CEMBONIT® B7 Roof Tile shall be installed with a minimum of two corrosion resistant screws (#14x 4- 1/2 inch with one inch diameter sealing washer) placed through the pre-formed holes in each tile. Tile head-laps shall be a minimum 6 inches with minimum vertical side-laps of 3/4 inch. All tile overlaps shall contain a continuous strip of 3/16 by 3/8 inch PVC adhesive foam tape, which shall be placed 1" above the exposure line of each tile. Optional colored screw caps may be installed to esthetically cover the screw head.

DATA FOR ATTACHMENT CALCULATIONS:

Calculations shall be in compliance with RAS 127 as an uplift based system (RAS 127 section 3).

Table 1: Average Weight (W) and Dimensions (l x w)			
Tile Profile	Weight-W (lbf)	Length - l (feet)	Width - w (feet)
CEMBONIT® B7	16.04	23.88	43.04

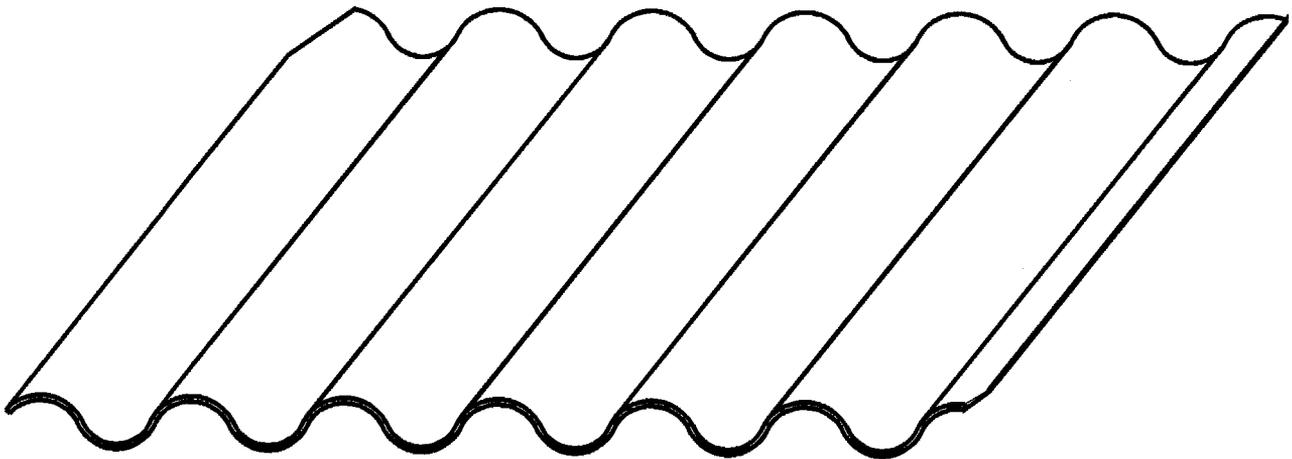
Table 2: Attachment Resistance Expressed as a Uplift – F' (lbf)	
Tile Profile	Minimum Attachment Resistance
CEMBONIT® B7	213.59

Frank Zuloaga, RRC
Roofing Product Control Examiner

LIMITATIONS

1. This acceptance is for wood deck applications. Minimum deck requirements shall be in compliance with applicable building code.
2. All tiles shall bear the imprint or identifiable marking of the manufacturer, name or logo, or following statement: "Miami-Dade County Product Control Approved".
3. Application for building permit shall be accompanied by copies of the following:
 - a. This Notice of Acceptance.
 - b. Any other documents required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system.

CEMBONIT® B7 ROOF TILE



Frank Zuloaga, RRC
Roofing Product Control Examiner

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 purposes.
- 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 times. The copies need not be resealed by the engineer.
- 8 Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9 This Acceptance contains pages 1 through 5

END OF THIS ACCEPTANCE



Frank Zuloaga, RRC
Roofing Product Control Examiner