



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

Hilti, Inc.
5400 S. 122nd E. Ave.
Tulsa ,OK 74146

Your application for Notice of Acceptance (NOA) of:

HIT HY-150 Adhesive Anchoring 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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-1119.03
EXPIRES: 01/07/2007

**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: 01/10/2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 98-0731.02 that was issued on 01/07/1999. It approves an adhesive anchoring system as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County. For the locations where the actual loads as determined by SFBC Chapter 23, do not exceed the allowable load indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Hilti Hit HY 150 injection adhesive anchor** shall be fabricated and used in strict compliance with the following documents: Drawing No 543-002-B, titled "Hilti Hit HY 150 Injection Adhesive Anchor", prepared by Hilti, Inc., dated 11/12/98 sheet 1 of 1, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 Allowable loads are for of 3000 psi. compressive strength concrete and grouted concrete masonry units per ASTM C-90.

4. INSTALLATION

4.1 The adhesive anchoring system shall be installed in strict compliance with the product technical guide published by Hilti, Inc.

5. LABELING

5.1 Each box and container of adhesive anchoring system shall have a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT

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, clearly marked to show the hangers and angles selected for the proposed installation.

6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.



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

Hilti, Inc.

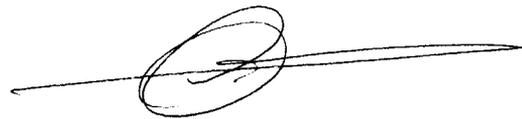
ACCEPTANCE NO: 01/1119.03

APPROVED: JAN 10 2002

EXPIRES: 01/07/2007

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

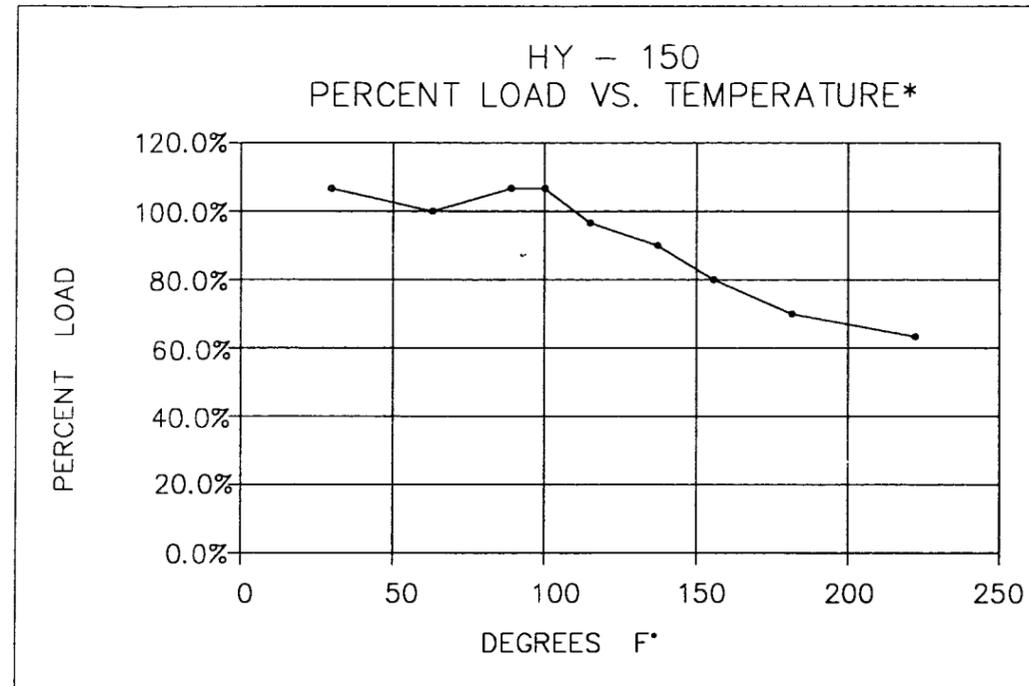
HILTI HIT HY 150 Injection Adhesive Anchor

Description: It is a chemical anchor system consisting of a hybrid adhesive and a threaded rod. The adhesive is identified as HIT HY 150, injection dispensed from a compressible side by side refill pack through a static-mixing nozzle. The threaded anchor rod used in this approval are HILTI Super conforming with ASTM A193, Grade B7.

ALLOWABLE LOAD

ANCHOR SIZE	EMBEDMENT DEPTH	3000 PSI CONCRETE SHEAR	CONCRETE TENSION	GROUTED SHEAR	CMU TENSION
3/8"	3-1/2"	1778	1481	1764	1392
1/2"	4-1/4"	2924	2669	2780	2642
5/8"	5"	5029	4675	2422	3793
3/4"	6-5/8"	7397	6491	--	--
1"	8-1/4"	8390	10168	--	--

- In order to achieve the allowable load, a minimum edge distance of 1.5 E and a minimum spacing of 1.0 E shall be observed. "E" equal to embedment.
- Allowable loads are equal to ultimate load divided by 4.
- Concrete block grout shall have a compressive strength of 2000 psi.
- Anchors used are threaded rods complying with ASTM A193 Grade B7.



* The percent load is based upon load at the control temperature of 70° F.

- Anchor installation shall be made in accordance with Hilti's published installation instructions in the Product Technical Guide.
- Adhesive performance is affected by the temperature of the environment. See curve in order to adjust allowable loads.

PRODUCT RENEWED
 ACCEPTANCE NO. 01/1119.03
 EXPIRATION DATE 01/07/2001
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

T.E. LUNN, PE
 ENGINEERING
 P.O. Box 13121
 760 US HIGHWAY 1, SUITE 301
 NORTH PALM BEACH, FL 33408
 OFC: (561) 825-8455
 FAX: (561) 825-4883
 EMAIL: telunn@gte.net
 FLORIDA REG.# 28119

[Handwritten signature]
 11-14-98

HILTI, INC.
 PO BOX 21148
 TULSA, OK 74121

HILTI HIT HY 150
 INJECTION
 ADHESIVE ANCHOR

REVISION DATE:
 DATE: 11-12-98
 DRAWING 543-002-B
 SCALE: 1" = 1"
 SHEET NO. 1 OF 1

FOR OFFICE USE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JANUARY 27 1999
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0731.02