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) 372-6339
www.miamidade.gov/buldingcode

NOTICE OF ACCEPTANCE (NOA)

Hilti, Inc.
5400 S. 122nd Avenue
Tulsa, OK 74146

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: HIT-HY 150 Max Adhesive Anchor

APPROVAL DOCUMENT: Drawing No.**543-002-E**, titled "Hilti HIT HY 150 Injection Adhesive Anchor", Sheet 1 of 1, dated 04/23/09, prepared by Hilti, Inc., signed and sealed by Thomas Allan Kolden, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance (NOA) number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", 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 consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

5/5/09

NOA No: 09-0224.06
Expiration Date: May 06, 2014
Approval Date: May 06, 2009

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **543-002-E**, titled "Hilti HIT HY 150 Injection Adhesive Anchor", Sheet 1 of 1, dated 04/23/09, prepared by Hilti, Inc., signed and sealed by Thomas Allan Kolden, P.E.

B. TESTS

1. Test report on Tension and Shear Capacity per ASTM E 488 of ½", 5/8" and ¾" diameter Hilti HAS Super Rod set in concrete or mansory substrate with Hilti HIT-HY 150 Max Anchors Adhesive, prepared by Stork Twin City Testing Corporation, Test Report No. **3201020**, dated 01/27/09, signed and sealed by Thomas A. Kolden, P.E.
2. Test report on Corrosion Resistance per ASTM G 85, Annex 5 and TAS 114, Appendix E, prepared by Sub-Tropical Testing Service, Test Report No. **STTS 08002**, dated 06/04/08, signed and sealed by Mark Mosbat, P.E.

C. CALCULATIONS

1. None

D. MATERIAL CERTIFICATIONS

1. None

E. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

F. STATEMENTS

1. Code Compliance letter issued by Stork Twin City Testing Corporation, dated 04/01/09, signed and sealed by Thomas A. Kolden, P.E.
2. No financial interest statement for Test Report No. **3201020**, issued by Stork Twin City Testing Corporation, dated 01/27/09, signed and sealed by Thomas A. Kolden, P.E.

5/5/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 09-0224.06
Expiration Date: May 06, 2014
Approval Date: May 06, 2009

HILTI HIT-HY 150 MAX Injection Adhesive Anchor

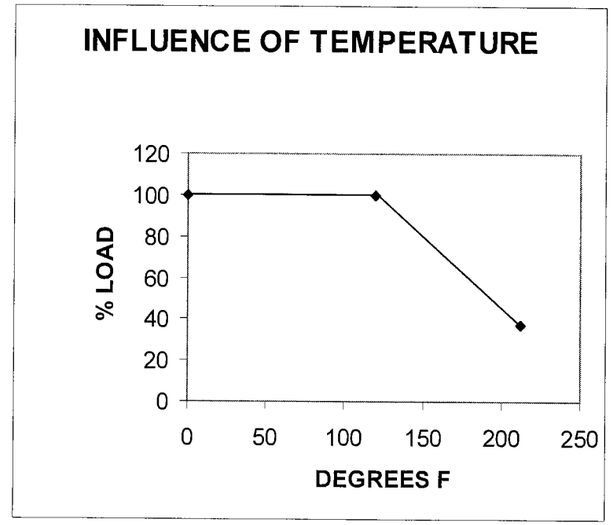
Description: Fast cure adhesive anchor system consisting of a hybrid mortar and a threaded rod. The adhesive is identified as HIT-HY 150 MAX. The mortar is dispensed from a compressible side by side refill pack through a static mixing nozzle.

The threaded rods used in this approval are HILTI HAS Super conforming with ASTM A193, Grade B7. The minimum yield strength is 105 ksi and the minimum tensile strength is 125 ksi. HAS Super rods are protected from corrosion with a minimum 5 µm (0.0002 in.) thick zinc electroplated coating.

ALLOWABLE LOAD

ANCHOR	EMBEDMENT	3000 PSI CONCRETE		GROUTED CMU	
SIZE	DEPTH	SHEAR	TENSION	SHEAR	TENSION
1/2	4-1/4	2956	3827	2217	3469
5/8	5	4610	5149	3834	5619
3/4	6-5/8	7124	8254	-	-

1) In order to achieve the allowable load in concrete, a minimum edge distance of 1.5 E and a minimum spacing of 1.0 E shall be observed. "E" equal to embedment.
2) In order to achieve the allowable load in grouted CMU, a minimum edge distance of 9 inches and a minimum spacing 1.0 E shall be observed.
3) Allowable loads are equal to ultimate load divided by 4.
4) Concrete block grout shall have a minimum compressive strength of 2000 psi.
5) Anchor rods conform with ASTM A193, Grade B7.
6) Anchor installation shall be made in accordance with published installation instructions in the Hilti Product Technical Guide.



1) The percent of load is based upon load the control temperature of 70° F.
2) Anchor performance is affected by the temperature of the concrete or masonry. See curve in order to adjust allowable loads.

description
HIT-HY 150 MAX 11.1 oz
HIT-HY 150 MAX 11.1 oz
HIT-HY 150 MAX 16.9 oz
HIT-HY 150 MAX 47.3 oz
HAS Super Rod 1/2 x 6-1/2
HAS Super Rod 5/8 x 8
HAS Super Rod 3/4 x 9-5/8
HAS Super Rod 3/4 x 14

04.24.2009

Thomas Allan Kolden
Professional Engineer
Florida License No. 50899

HILTI, INC.
5400 S 122nd E Ave
Tulsa, OK 74146

HILTI HIT HY 150
INJECTION
ADHESIVE ANCHOR

REVISION DATE:
DATE: 23 APR 2009
DRAWING: 543-002-E
SCALE: –
SHEET NO. 1 OF 1

FOR OFFICE USE

Approved as complying with the Florida Building Code
Date 05/06/2009
NOA# 09-0422.06
Miami-Dade Product Control Division
By