



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:

Hilti Kwik-Con II Concrete Screw Anchor

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.: 01-0727.01
EXPIRES: 08/03/2006

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: 08/23/2001

Hilti, Inc.

ACCEPTANCE NO: 01-0727.01

APPROVED: AUG 23 2001

EXPIRES: 08/03/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 99-1028.09, which was issued on 03/10/2000. It approves concrete screws as described in Section 2 of this Notice of Acceptance. They are 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 concrete screws **Hilti Kwik Con II** shall be fabricated and used in strict compliance with the following documents: Drawing No. 543-001-C, titled "Hilti Kwik Con II Screws", prepared by Hilti, Inc. dated 10/06/99 sheet 1 of 1. It bears 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 2250 psi Compressive Strength Concrete and Concrete Masonry unit per ASTM C90

4. INSTALLATION

4.1 The Concrete Screws shall be installed in strict compliance with the installation instructions published in the Hilti's Product Technical Guide.

5. LABELING

5.1 Each box of screws 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 models 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: 01-0727.01

APPROVED: AUG 23 2001

EXPIRES: 08/03/2006

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

Hilti, Inc.

ACCEPTANCE NO: 01-0727.01

APPROVED: AUG 23 2001

EXPIRES: 08/03/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

(For File ONLY. Not part of NOA)

A DRAWINGS:

1. Drawings prepared by Hilti, Inc. titled "Hilti Kwik Con II Screws"; Drawing No. 543-001-C, dated 10/06/99, sheet 1 of 1 signed and sealed by T. E. Lunn, PE.

B TEST:

1. Test report on Strength of Anchors in Concrete and Masonry Elements prepared by Atech Associates, Inc. project Number 70-0295-00065, dated 04/27/95, signed and sealed by P. G. Read, PE.
2. Test report on Corrosion Resistance of Fasteners prepared by Material Testing Services, Job No. 257322-PS, dated June 27 – July 10, 1995, signed by D. M. Moyer.

C CALCULATIONS:

N/A

D MATERIAL CERTIFICATIONS:

1. Camcar Textron drawings No XCT-92500 through XCT-92515 of Camcrete Special Torx, dated 09/22/92, drawn by Dave B.

E STATEMENTS:

1. No change letter issued by Hilti, Inc. on 07/23/2001, signed by A. T. Liechti.



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

HILTI Kwik Con II

DESIGN LOADS :

Carbon Steel Screws

Anchor Size	Embedment Depth	Concrete 2250 psi		C90 Concrete Block	
		Shear	Tension	Shear	Tension
3/16"	1"	256#	114#	212#	140#
3/16"	1-1/4"	---	---	301#	---
3/16"	1-3/4"	254#	246#	---	---
1/4"	1"	359#	149#	279#	143#
1/4"	1-1/4"	---	---	430#	---
1/4"	1-3/4"	493#	392#	---	---

All Specimens were torx hex washer head.

Stainless Steel Screws

Anchor Size	Embedment Depth	Concrete 2250 psi		C90 Concrete Block	
		Shear	Tension	Shear	Tension
3/16"	1"	* 253#	* 112#	* 302	* 156
3/16"	1-1/4"	---	---	* 334#	* 162#
3/16"	1-3/4"	* 281#	* 243#	---	---
1/4"	1"	358#	156#	329#	134#
1/4"	1-3/4"	477#	382#	---	---

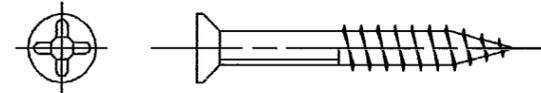
* All 3/16" specimens are phillips flat head.
All 1/4" specimens are torx hex washer head.

GENERAL NOTES :

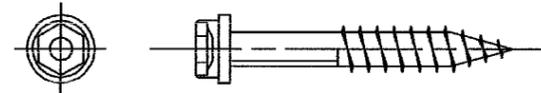
- 1) Design loads are based on ultimate loads divided by 4.
- 2) In order to achieve the design load, a minimum edge distance of 1-1/2" for 3/16" ϕ screw, and 2-1/2" for 1/4" ϕ screw shall be observed.
- 3) Spacing of anchor shall be 2" in concrete and 3" in concrete blocks in order to achieve the design loads.
- 4) Anchor installation shall be made in accordance with Hilti's published installation instructions in the Product Technical Guide.

DESCRIPTION :

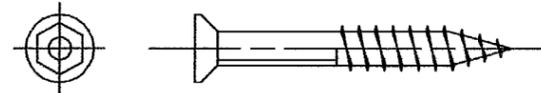
HILTI Kwik Con II screws are made of plain carbon steel galvanized to 8 um (min.) or stainless steel as shown below, for use with the listed design values :



Kwik Con II - Phillips Flat Head



Kwik Con II - Torx Hex Washer Head



Kwik Con II - Torx Flat Head

PRODUCT RENEWED

ACCEPTANCE NO. 01-0727.01
 EXPIRATION DATE 08/03/2006
 BY
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

ENGINEERING
 P.O. Box 13121
 NORTH PALM BEACH,
 FL. 33408-7121
 OFC: (561) 625-6455
 FAX: (561) 625-4883
 EMAIL: telunn@gte.net
 T.E. LUNN, PE
 FLORIDA REG.# 26119

Handwritten signature and date: 10.6.99

HILTI, INC.
 PO BOX 21148
 TULSA, OK 74121

HILTI
 KWIK CON II
 SCREWS

REVISION DATE:
 DATE: 10-06-99
 DRAWING 543-001-C
 SCALE: 1" = 1"
 SHEET NO. 1 OF 1

FOR OFFICE USE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE March 10, 2000
 BY
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1028.09