

February 22, 2010

To Whom It May Concern:

The International Building Code and International Residential Code (IBC 2006 and IRC2006) refer to ASTM C 1002 and ASTM C 954 as the necessary requirements for sharp point and self-drilling screw fasteners:

ASTM C 1002 - Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs

ASTM C 954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness

ASTM C 1002 covers sharp point screws for attachment of drywall to wood or light gauge steel. ASTM C 954 covers self-drilling screws for attachment of drywall to light gauge steel.

For IBC and IRC areas, drywall screws meeting the aforementioned ASTM standards are addressed within the building code by reference standard. Therefore, if the drywall screw meets the requirements of ASTM C 1002 or ASTM C 954, the design of these fasteners would be in accordance with the IBC or IRC and AISI NASPEC. Screw fastener load performance data, as well as spacing and edge distance recommendations are provided in the IBC, IRC and AISI NASPEC.

All Hilti Sharp Point and Self Drilling Screws meet the requirements of ASTM C 1002 or ASTM C 954.

The above information is current as of this date and is subject to change without notice. I hope this addresses your needs. Please feel free to contact me if you have any further questions.

Regards,

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March 19, 2008

Re: Recycled Steel Content in Hilti Products

To Whom It May Concern:

One of the vendor/supplier requirements on LEED projects is to supply specific information about the products being used on the projects such as, manufacturing location of the product, VOC content, recycled content, etc. Hilti Inc. will always make every attempt to supply our Customers with any information needed to complete the documentation requirements of the project. One of the areas that is proving to be problematic is the recycled content of our various steel products.

Steel mills have two primary criteria to meet when they produce steel; 1) They must meet the chemical requirements of the particular grade of steel that they are producing. 2) They must meet the physical (strength) requirements for the particular grade of steel that they are producing. If these two requirements are met, the steel mills have met their obligations. Consequently, unless special lots of steel are used (which would be cost prohibitive) it is not possible for the steel mills to positively identify the source of their raw materials.

While most steel does have recycled content, it is almost impossible to quantify exact percentages. For this reason, Hilti Inc. is unable to provide recycled content of our steel products.

Jerry Metcalf MPH, CHMM
Safety/Environmental Manager
Hilti Inc

February 15, 2010

Subject: Hilti Screw Fastening Systems sourcing

To Whom It May Concern:

This letter is to outline several points regarding the management of Hilti's line of screw fasteners in North America.

- **Our Sourcing strategy is to partner with the best possible manufacturers of screws. This is an onus that we take seriously as part of our long-term commitment to be the partner of choice for our customers. As a global company operating in more 120 countries, we have the opportunity to interface with many vendors. This has led us to choose our key suppliers in Taiwan who can consistently deliver the quality and volumes required to meet the expectations of our customers.**
- **In the Buy American Act of January 2005, a "Designated country" is outlined in clause 52.225-11. These include any World Trade Organization Government Procurement Act country: <https://www.acquisition.gov/far/html/FARTOCP52.html>**
- **In December of 2008, the United States and other GPA parties approved the terms for Taiwan's ascension to the GPA. This became effective in July 2009 and was announced in a press release by the Office of the United States Trade Representative: <http://www.ustr.gov/about-us/press-office/press-releases/2009/july/ambassador-ron-kirk-applauds-taiwans-accession-wto-ag>**
- **A number of years ago, Hilti North America did stock drywall screws that met the Buy America act as confirmed by our supplier. These screws were made available to our customers as an addition to the standard product portfolio. Demand for screws compliant with the Buy America act remained too low for us to cover our inventory carrying costs and we were forced to discontinue them.**
- **In looking to balance the occasional demand for made in America screws with our inventory carrying costs, we now have the capability to source made in America screws upon request. Timeframe for delivery is 6-8 weeks and 1 pallet per fastener type is the minimum order. Pricing is provided at the time of order. It is reasonable to expect costing commensurate with the custom nature of this manufacturing. The pricing of Hilti's made in America screws compared to Hilti's made in Taiwan screws will exceed the generally accepted 6% premium rule outlined in the Federal Acquisition (FAR) Clause 25.202: http://www.arnet.gov/far/current/html/Subpart%2025_2.html#wp1082630**

In summary, Hilti provides both Asian sourced and American sourced screws for our customers to support them across the range of project types and requirements that they may encounter.

Respectfully,

**Aaron Heilbrun
Product Manager
Screw Fastening Systems**

Hilti, Inc.
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www.hilti.com

Hilti, Inc.
5400 South 122nd East Avenue
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800-879-8000 (US) or 800-363-4458 (Canada)

July 4, 2009

To Whom It May Concern:

This letter is to state Hilti's position regarding the installation of chemically treated lumber such as ACQ. Hilti offers a range of screw fasteners with progressive resistance to corrosion and Hydrogen-Assisted Stress Corrosion Cracking (HASCC):

- **Screws with a high corrosion resistant finish.** Within Hilti's current line of screws, this includes the following:
 - Cement Board Screws
 - Ceramic Coated Wood Screws
 - Wood to Metal Self-drilling Screws with Kwik Cote finish (with and without wings)
 - Any other screw with a Kwik Cote finish such as the collated 2" Coarse (#331919)
 - Please consider that these screws are hardened along their entire length and are therefore susceptible to HASCC. Whether the site-specific conditions may create HASCC must be determined by the responsible person on the project.
- **Kwik Flex screws.** In addition to the the Kwik Cote finish, Kwik Flex screws are virtually immune to HASCC due to their differential hardness – the load bearing section of the threads is not hardened.
- **Bi-metal Kwik Flex screws.** These screws feature a carbon steel drill tip for maximum drilling performance with a 300 series (18-8) stainless steel body for maximum corrosion resistance. Bi-metal Kwik Flex are virtually immune to HASCC.
- Please consider that hardened 410 stainless steel, 410 super-passivated stainless steel and 400 modified stainless steel are generally considered susceptible to HASCC.

At the time of writing, there was no standardized set of criteria for claiming ACQ compliance. The decision as to which fastener optimally meets the demands of a specific application is ultimately the judgment of the Engineer of Record or other responsible person for the project.

For additional information, please consult the Hilti Technical Guide or call 800-879-8000 and ask to speak with a Technical Services Engineer.

Best Regards,

Aaron Heilbrun
Product Manager
Screw Fastening Systems

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MATERIAL SAFETY DATA SHEET

Product name: Hilti Kiwk-Pro Drywall Screws
Description: Carbon Steel Screws for fastening drywall and drywall framing.
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Not applicable. This product is considered to be an "article" as defined in the federal OSHA Hazard Communication Standard 29 CFR 1910.1200 / 1926.59.

PHYSICAL DATA

Appearance:	Dark gray/Silver steel screws	Odor:	None.
Vapor Density: (air = 1)	Not applicable.	Vapor Pressure:	Not applicable.
Boiling Point:	Not applicable.	VOC Content:	None.
Evaporation Rate:	Not applicable.	Solubility in Water:	Negligible.
Specific Gravity:	Not applicable.	pH:	Not determined.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Extinguishing Media:	Not applicable; use extinguishing media as appropriate for surrounding fire.		
Special Fire Fighting Procedures:	Not applicable, however, a NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	None known.	Decomposition Products:	None known.
Conditions to Avoid:	None known.		

HEALTH HAZARD DATA

Known Hazards:	None known.
Signs and Symptoms of Exposure:	None expected from routine use/installation according to manufacturer's specifications and technical guides.
Routes of Exposure:	None known.
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure:	None expected.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Not applicable.
Skin:	Not applicable. Practice good hygiene; i.e. wash hands during breaks, before eating or smoking, and after work.
Inhalation:	Not applicable.
Ingestion:	Not a potential route of exposure.
Other:	Referral to a physician is recommended if there is any question about the seriousness of any injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Safety glasses with side shields.
Skin Protection:	None required.
Respiratory Protection:	No respiratory protection is needed for normal application of this product.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool dry area. Follow installation instructions.
Spill Procedures:	Not applicable. No special requirements.

REGULATORY INFORMATION

Hazard Communication:	This product is considered to be an "article" as defined in the federal OSHA Hazard Communication Standard.
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product is classified as an "article" and is not subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.