



**Kolpak**  
2915 Tennessee Avenue North  
Parsons, TN 38363

#### To Whom It May Concern:

Kolpak and Harford brands of Manitowoc Foodservice comply with regulatory requirements including National Sanitation Foundation (NSF7), Underwriters Laboratory (UL), International Building Code (IBC), Energy Independence and Security Act (EISA), International Energy Conservation Code, Department of Energy, California Code of Regulations Title 20, City of Houston, State of Oregon, and are accepted by the United States Department of Agriculture. Units requiring Factory Mutual 4880, City of Los Angeles, and Miami Dade County are available.

The foam plastic used in this product is CFC and HCFC free and complies with IBC Chapter 26. The requirements of section 2603.4.1.2 are satisfied when used with an automatic sprinkler by others and will not require a thermal barrier. The requirements of section 2603.4.1.3 are satisfied without a sprinkler as long as no panel is over 4" thick, the aggregate walk-in floor area does not exceed 400 square feet, and a thermal barrier by others is present.

The foam has been tested to ASTM E-84 as follows: flame spread rating: 20; smoke developed rating: 450; minimum flash-ignition temperature rating: 833°F; minimum spontaneous ignition temperature rating: 806°F. Also, the foam will have a covering of not less than 0.032-inch aluminum or corrosion-resistant steel having a base metal thickness not less than 0.0160 inch at any point.

Energy code requires the following minimum R-values: R-25 for coolers, R-32 for freezers, and R-28 for freezer floors. Kolpak foam is tested in accordance with ASTM C518-2004 and has the following results.

For coolers (reported at 55 F mean temperature)

4" thick:	R-29
5" thick:	R-36
6" thick:	R-44

For freezers (reported at 20 F mean temperature)

4" thick:	R-32
5" thick:	R-40
6" thick:	R-48
4" floor:	R-29

The following further complies with energy code:

- Doors will have closers designed to firmly close walk-in doors that have been closed to within 1 of full closure.
- Doors will have strip doors, curtains, spring-hinged doors or other method of minimizing infiltration when doors are open.
- Lights will have an efficacy of not less than 40 lumens per watt.
- Viewports will be triple-pane glass, either filled with inert gas or with heat-reflective treated glass.
- Transparent reach-in doors without anti-sweat heater controls will have a heater power draw of no more than 7.1 or 3.0 watts per square foot of door opening for freezers and coolers, respectively. When supplied with anti-sweat heater controls, the heater power draw will either have a heater power draw of no more than 7.1 or 3.0 watts per square foot of door opening for freezers and

coolers, respectively, or the anti-sweat heater controls will reduce the energy use of the heater in a quantity corresponding to the relative humidity of the air outside the door or to the condensation on the inner glass pane.

- Evaporator fan motors that are less than 1 HP and less than 460 volts are electronically commutated motors.
- Condenser fan motors that are less than 1 HP are permanent split-capacitor motors.

Attached are additional reference documents. Please let us know if you have any further concerns.

Regards,  
Tony Moffett  
Senior Engineer  
Manitowoc Foodservice



The Public Health and Safety Organization

## NSF Product and Service Listings

These NSF Official Listings are current as of **Friday, October 18, 2013** at 12:15 a.m. Eastern Time. Please [contact NSF International](#) to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/food/Listings.asp?Standard=007&Company=26700&>

---

### NSF/ANSI 7 Commercial Refrigerators and Storage Freezers

---

#### Kolpak

2915 North Tennessee Avenue

Parsons, TN 38363

United States

731-847-5342

[Visit this company's website \(http://www.kolpak.com\)](http://www.kolpak.com)

**Facility : # 1 Parsons, TN**

#### **Air Shield[1] [2] [3]**

HALC2-N1(1)

HARC2-N1(1)

[1] Not designed for overhead door installation.

[2] Not intended to prevent flying insects from passing through an opening.

[3] (1) May be followed by revision suffix A thru Z.

#### **Prefabricated Walk-In Cooler, Freezer and Combination - Custom Size[4]**

[4] With refrigeration components; with or without shelving.

**Prefabricated Walk-In Refrigerator & Storage Freezer - Custom Built[6] [7] [8] [9]**

[6] With or without flooring.

[7] With or without shelving.

[8] Without refrigeration components.

[9] Materials to be used:

Interior (ceilings, walls, and floors): Aluminum, stainless steel, Galvalume®, galvanized, baked enamel coating

Interior (floors): Aluminum, stainless steel

Exterior (ceilings, walls, and floors): Aluminum, stainless steel, Galvalume®, galvanized, baked enamel coating

**COMPONENTS:****Prefabricated Walk-In Cooler, Freezer and Combination - Custom Size[5]**

[5] Without refrigeration components; with or without shelving.

**Prefabricated Walk-In Refrigerator & Storage Freezer - Custom Built[6] [7] [8] [9]**

[6] With or without flooring.

[7] With or without shelving.

[8] Without refrigeration components.

[9] Materials to be used:

Interior (ceilings, walls, and floors): Aluminum, stainless steel, Galvalume®, galvanized, baked enamel coating

Interior (floors): Aluminum, stainless steel

Exterior (ceilings, walls, and floors): Aluminum, stainless steel, Galvalume®, galvanized, baked enamel coating

---

Number of matching Manufacturers is 1

Number of matching Products is 6

Processing time was 0 seconds

# NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Kolpak

Parsons, TN

AS COMPLYING WITH NSF/ANSI 7 AND ALL APPLICABLE REQUIREMENTS.  
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE  
AUTHORIZED TO BEAR THE NSF MARK.



ANSI Accredited Program  
PRODUCT CERTIFICATION  
#8216  
Certification Program  
Accredited by the  
American National  
Standards Institute



Certification Program  
Accredited by the  
Standards Council  
of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

July 14, 2015  
Certificate# 26700 - 01

Sarah Krol  
Global Managing Director, Food Safety Product Certification

# NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Harford Duracool, LLC

Facility: Parsons, TN

AS COMPLYING WITH NSF/ANSI 7 AND ALL APPLICABLE REQUIREMENTS.  
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE  
AUTHORIZED TO BEAR THE NSF MARK.



ANSI Accredited Program  
PRODUCT CERTIFICATION  
#0216  
Certification Program  
Accredited by the  
American National  
Standards Institute



Certification Program  
Accredited by the  
Standards Council  
of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

July 6, 2015  
Certificate# 0A912 - 01

Sarah Krol  
Global Managing Director, Food Safety Product Certification

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20160606-R8160  
**Report Reference** R8160-20110224  
**Issue Date** 2016-JUNE-06

**Issued to:** MANITOWOC FSG OPERATIONS L L C  
2915 TENNESSEE AVE N.  
PARSONS TN 38363

**This is to certify that  
representative samples of**

BUILDING UNITS-Complementary Product Category -  
COMPOSITE PANELS ,INSULATED BUILDING PANELS  
See addendum page

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:**

CAN/ULC S102 STANDARD METHOD OF TEST FOR  
SURFACE BURNING CHARACTERISTICS OF BUILDING  
MATERIALS AND ASSEMBLIES -CAN/ULC S127  
STANDARD CORNER WALL METHOD OF TEST FOR  
FLAMMABILITY CHARACTERISTICS OF NON-MELTING  
BUILDING MATERIALS - UL 723 STANDARD FOR TEST  
FOR SURFACE BURNING CHARACTERISTICS OF  
BUILDING MATERIALS -

**Additional Information:**

See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20160606-R8160  
**Report Reference** R8160-20110224  
**Issue Date** 2016-JUNE-06

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

The product covered by this section of the Procedure is a building unit consisting of a urethane foamed plastic core with faces of painted or unpainted aluminum, galvalume, stainless or galvanized steel. The male and female joint edges are formed of core foam, Foam Edged Panels. Adjoining finished panels are attached together by means of cam-locking devices incorporated into each finished panel.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>







## NYWR.R8160 Building Units

[Page Bottom](#)

---

### Building Units

[See General Information for Building Units](#)**MANITOWOC FSG OPERATIONS L L C**

R8160

2915 TENNESSEE AVE N  
PARSONS, TN 38363 USA

Metal covered wall and ceiling panels incorporating a foamed plastic core material for wall or wall-ceiling constructions.

**FOR SURFACE BURNING CHARACTERISTICS SEE CLASSIFICATION MARK  
OF UL ON PRODUCT OR CARTON**

Trademark and/or Tradename: "Manitowoc Walk-Ins", "Kolpak", "Harford"

[Last Updated](#) on 2015-11-10

---

[Questions?](#)[Print this page](#)[Terms of Use](#)[Page Top](#)

© 2016 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2016 UL LLC".

## Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the Standard for Surface Burning Characteristics for Building Materials, UL723, Tenth Edition (dated September 10, 2008) and, therefore, such products are judged eligible to bear UL's Mark as described below and on the Conclusion Page of this Report.

## Classification Marking:

The Surface Burning Characteristics as shown below in the Classification Marking represent the judgment of Underwriters laboratories Inc. based upon the results of the examination and tests presented in this Report.



BUILDING UNITS  
(CONTROL NO.)  
SURFACE BURNING CHARACTERISTICS

	Core Material	3 ½ to 5 in. Thick Painted or Unpainted Aluminum	3 ½ to 5 in. Thick Painted or Unpainted Steel
Flame Spread	20	15	10
Smoke Developed	450	500-Over500	Over 500

Test Record by:

A handwritten signature in black ink that reads 'Karen Foxx-Smith'.

Karen Foxx-Smith  
Engineering Associate  
Fire Protection Division

Reviewed by:

A handwritten signature in black ink that reads 'R. K. Laymon'.

Randall Laymon  
Senior Staff Engineer  
Fire Protection Division

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

# CITY OF LOS ANGELES

CALIFORNIA



**BOARD OF  
BUILDING AND SAFETY  
COMMISSIONERS**

VAN AMBATIOLOS  
PRESIDENT

E. FELICIA BRANNON  
VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL  
GEORGE HOVAGUIMIAN  
JAVIER NUNEZ

DEPARTMENT OF  
**BUILDING AND SAFETY**  
201 NORTH FIGUEROA STREET  
LOS ANGELES, CA 90012

FRANK M. BUSH  
GENERAL MANAGER  
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.  
EXECUTIVE OFFICER

ERIC GARCETTI  
MAYOR

Manitowoc Foodservice  
(Kolpak and Hardford Brands)  
2915 Tennessee Avenue N  
Parsons, TN 38363

Attn: Tony Moffett  
(731) 847-5629

RESEARCH REPORT: RR 24808  
(CSI # 13030)

Expires: January 1, 2019  
Issued Date: February 1, 2017  
Code: 2017 LABC

**GENERAL APPROVAL** – Renewal and Clerical Modification - Kolpak Modular Walk-In Cooler/Freezers.

## DETAILS

Panels for the coolers and freezer consist of aluminum or steel skins and a core of 4" thick Dow Chemical Company-Delta-Term AF 4500/Voracor CE 157 foamed-in-place polyurethane having an average in-place density of 2.1 pounds per cubic foot. The panels are held together by use of Posi-Loc fastening devices along the edges. Flame spread and smoke density ratings per ASTM E84 are 20 and 130, respectively, for the core material. The self-ignition temperature of the foam per ASTM D-1929 is 950 F. Surface burning characteristics of the finished building unit shall not exceed 75 for flame spread and 450 for smoke developed, respectively.

Kolpak freestanding walk-in coolers and freezers constructed of panels described above are approved with the following requirements:

1. The coolers and freezers shall be installed in the interior of buildings.
2. Height of units shall not exceed 10 feet.
3. The aggregate floor area of the freestanding walk-in cooler and freezers shall be less than 400 square feet.
4. The panels shall be considered combustible and may be used only in areas where combustible materials are permitted by the Code.

RR 24808  
Page 1 of 2

Kolpak

RE: Kolpak Modular Walk-In Cooler/Freezer

5. Minimum thickness of the metal skins are 26 gage (0.019") for the aluminum coated galvanized steel, 0.038" for aluminum and 22 gage (0.030") for the stainless steel.
6. The panels shall be fabricated in the shop of a fabricator licensed by the Department and shall bear identification markings.
7. Separate approval shall be required for electrical installations enclosed in the panel. Also, no electrical, plumbing or mechanical can be installed after fabrication of the panels.

## DISCUSSION

The Clerical Modification is to update the report to the 2017 City of Los Angeles Building Code.

The report is in compliance with the 2017 City of Los Angeles Building Code.

The approval is based on the foam plastic insulation requirements of Section 2603 and structural tests and analysis.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.



---

QUAN NGHIEM, Chief  
Engineering Research Section  
201 N. Figueroa St., Room 880  
Los Angeles, CA 90012  
Phone- 213-202-9812  
Fax- 213-202-9943



DE  
RR24808/MSWord2013  
R01/28/17  
TLB1700002  
2603



# CITY OF HOUSTON

## Department of Public Works and Engineering Planning and Development Services Division CERTIFICATE OF APPROVAL

THIS CERTIFIES THAT KOLPAK (MANITOWOC) LOCATED  
AT Parsons, Tennessee  
IS APPROVED BY THE CITY BUILDING OFFICIAL, CITY OF HOUSTON  
UNDER THE PROVISIONS OF SECTION 1704.2.2 OF THE HOUSTON  
BUILDING CODE AS A Fabricator of Walk-in Coolers and Freezers

DATE: 07/08/2016

VALID UNTIL: 07/08/2017

ANNUAL RENEWAL REQUIRED TO BE VALID AFTER DATE OF ISSUE:

  
CITY BUILDING OFFICIAL

THIS CERTIFICATE IS THE PROPERTY OF THE CITY OF HOUSTON  
AND MAY BE REVOKED FOR ANY OF THE CAUSES SET FORTH IN  
THE RULES AND PROCEDURES FOR APPROVAL OF FABRICATORS  
AND CERTIFYING AGENCIES.

REGISTRATION NUMBER 301A



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

**Kolpak**  
**2915 Tennessee Avenue North**  
**P. O. Box 550**  
**Parsons, TN, 38363**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Walk-In Cooler / Freezer

**APPROVAL DOCUMENT:** Drawing No. B211-317, titled "Walk-In Cooler / Freezer", sheets 1 through 6 of 6, prepared by Kolpak, dated January 22, 2016, signed and sealed by Thomas R. Sadler, P.E., on January 22, 2016, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", 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 revises NOA # 13-1030.02 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4 & E-5 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
01/19/2017

NOA No 16-0209.07  
Expiration Date: 05/31/2017  
Approval Date: 01/19/2017  
Page 1





# Oregon

Kate Brown, Governor

Department of Consumer and Business Services

Building Codes Division

1535 Edgewater Street NW

P.O. Box 14470

Salem, OR 97309-0404

503-378-4133

Fax: 503-378-2322

oregon.gov/bcd

January 4, 2017

## REGISTRATION ENCLOSED

KOLPAK aka Manitowoc Food Service  
2915 TENNESSEE AVE N  
PARSONS TN 38363

## Registration Information

Attached is your State of Oregon Registration as a PFC-Prefab Components.

Registration Ltr.dot

## State of Oregon Registration

PFC-Prefab Components

### Building Codes Division

PO Box 14470

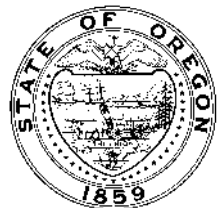
Salem, OR 97309-0404

503-378-4133 FAX 503-378-2322

License number: 151PFC

Effective date: 01/01/2017

Expiration date: 12/31/2017



Licensee: KOLPAK aka Manitowoc Food Service

Address: 2915 TENNESSEE AVE N  
PARSONS TN 38363

NON-TRANSFERABLE



# Certificate of Compliance

This certificate is issued for the following:

Kolpak and Harford Refrigeration Panels

**Prepared for:**

Manitowoc Walk-Ins  
2915 Tennessee Ave North  
Parsons, TN 38363  
United States

FM Approvals Class: 4880

Approval Identification: 0003038478

Approval Granted: 28 March 2011

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com) or [www.roofnav.com](http://www.roofnav.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in maroon ink that reads 'Cynthia E Frank'.

---

Cynthia Frank  
AVP - Manager of Materials  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



*Member of the FM Global Group*

## Building Insulations - Walls and Ceilings (FM Approval Class Numbers 4411, 4651, 4880, 4881, 4882)

Insulating materials may occur in building construction to reduce heat or sound transmission through a wall, roof or floor-ceiling assembly. See Roofing Products and Assemblies Category for roof insulations.

The insulation listed below may be a surface treatment exposed to the building occupancy or as core material faced with metal, gypsum wallboard, concrete or masonry.

The listed assemblies are not intended as long-term fire walls or barriers since fire endurance was not evaluated. See SPECIFICATION TESTED PRODUCTS, ASTM E119 Standard, for hourly rated systems.

### Wall-Ceiling Construction/Roof Construction (Class Number 4880)

Combustible insulations, bonding agents, facing and finish materials contained in walls, ceilings and roof assemblies may exhibit self-propagating fire spreading tendencies when combustible vapors are emitted upon heating and rated Class II requiring sprinkler protection. The quantity of combustible vapors and the maximum rate of heat released by the assembly, in combination with sufficient oxygen and a positive heat balance, will start the self-propagating process.


The following assemblies have been evaluated using FM Approvals Standard 4880 (2005). The Class 1 systems exhibited limited fire spread and fuel contribution and may not require special protection such as sprinklers, when the building walls do not exceed the listed height.

The FM Approved assemblies are not intended as loadbearing or long-term fire barriers, since fire endurance was not evaluated. (See SPECIFICATION TESTED PRODUCTS, ASTM E119 Standard, for hourly rated systems.) If building use, occupancy or furnishings are combustible and expected to sustain a prolonged fire beyond 15 minutes, automatic sprinklers should be installed to control the ignition source.

Materials and method of installation are described as they were tested and must be maintained to insure the same fire performance. In cases where the structural framing supporting metal clad insulated panels is on the interior side of the panels, the intent of the listed fastening requirements may be met if the panels are secured to interior framing 1) with clips that in effect fasten the interior panel facer directly to the framing or 2) by fastening through the framing directly into the interior panel facer. Smoke and other products of combustion were not evaluated for toxicity.

This section describes each type of construction. The individual characteristics of each manufacturer's assembly follow the manufacturer's name and address.

The wall and ceiling constructions listed in this section (FM Approvals Standard 4880 (2005) Wall-Ceiling/Roof Constructions) are Approved for interior use only unless listed in the Exterior Wall Construction Category in the FM Approvals Standard 4881 (2005)

Exterior Wall Constructions section as exterior wall constructions or in  as roof constructions.

### Metal-faced with Combustible Core

Products identified with the **GREEN** symbol have attributes that are considered to be "sustainable" by certain outside organizations. FM Approvals verifies the presence of these attributes. Specific attributes for specific products are listed in the individual listings. To facilitate a search for these products in the Approval Guide, first search by the product type you desire and then refine your search to products with the **GREEN** symbol.

### Kolpak Panels, Kolpak Prefabricated Corner Panels, Kolpak T-Panels, Harford Refrigeration Panels

Product	Primary Class of Work	Listing Country	Height Restriction	Certification Type
Kolpak Panels, Kolpak Prefabricated Corner Panels, Kolpak T-Panels, Harford Refrigeration Panels	4880-Wall/Ceiling Ins. Assembly	United States of America	Maximum 30 ft (9.1 m)	FM Approved

Kolpak and Harford brands of Manitowoc Walk-Ins are insulated wall and ceiling refrigeration panels, corner panels and T panels with max 6 in. (150 mm) thick polyisocyanurate foam core. Facers are minimum 26 ga. [minimum 0.0170 in. (0.43mm) base steel thickness] prefinished (optional) stainless, galvanized, galvanized or Galvalume steel and optional wood rails. Panels secured to each other with cam locks. Wall panels, corner panels and T-panels are installed vertically. Installed with flashing min 2 in. (50 mm) by 2 in. (50 mm) min 26 ga. prefinished (optional) stainless, galvanized, galvanized or Galvalume steel corner flashing mechanically fastened over each interior wall to ceiling panel joint with sheet metal screws approximately 9 in. (240 mm) on center to both panel facers and min 3 in. (75 mm) wide min 26 ga. prefinished (optional) stainless, galvanized, galvanized or Galvalume steel batten strips mechanically fastened over each interior ceiling and wall panel joint with sheet metal screws approximately 9 in. (240 mm) on center to both panel facers.

**GREEN** - This product contains no urea-formaldehyde.

**GREEN** - This product contains no CFC or HCFC.

<b>Company Name:</b>	Manitowoc Walk-Ins
<b>Company Address:</b>	2915 Tennessee Avenue North, Parsons, Tennessee 38363, USA
<b>Company Website:</b>	Not Available
<b>New/Updated Product Listing:</b>	Yes
<b>Green Product:</b>	Yes
<b>Primary Class of Work:</b>	4880-Wall/Ceiling/Roof Ins.Assem.
<b>Listing Country:</b>	United States of America
<b>Height Restriction:</b>	Maximum 30 ft (9.1 m)
<b>Certification Type:</b>	FM Approved



# AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

**Applicant:** Manitowoc FSG Operations  
**Address:** 2915 Tennessee Ave. North  
Parsons TN 39363  
**Country:** USA  
**Contact:** Mr. David Wyatt  
**Phone:** (731)847-6361  
**FAX:** (731)847-5264  
**Email:** David.Wyatt@manitowoc.com

**Manufacturer:** Manitowoc FSG Operations  
**Address:** 2915 Tennessee Ave. North  
Parsons TN 39363  
**Country:** USA  
**Contact:** Mr. David Wyatt  
**Phone:** (731)847-6361  
**FAX:** (731)847-5264  
**Email:** David.Wyatt@manitowoc.com

**Party Authorized To Apply Mark:** Same as Manufacturer  
**Report Issuing Office:** Atlanta, GA USA

**Control Number:** 40807

**Authorized by:**

*Catherine Dwyer*

for Thomas J. Patterson, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.  
545 East Algonquin Road, Arlington Heights, IL 60005  
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

**Standard(s):** UL 1995, 3rd Edition, Feb. 18, 2005; CAN/CSA-C22.2 No. 236-05

**Product:** Refrigerant Condensing Units

**Models:** PR, PC, PCL Series, D Series, and MC Series