

FCIA Webinar Series

So, You Want to Read a Firestop System Listing?

Bill McHugh, Executive Director of FCIA
Rich Walke, CTI, Consultant to FCIA
Mark St. Onge, UL Solutions

FCIA – Firestop Contractors International Association



- **Fire Exits??**
- **Thanks to FCIA Members**
 - Firestop Contractors
 - Manufacturers, Consultants
 - Firestop Distributors, Reps, Friends

Welcome, Thanks, From FCIA.....

Firestop Contractors International Association
FREE PDF MOP, SPECIFICATION for Code Officials,
Fire Marshals,
& Specifiers with Design Firms
Life Safety Digest FREE for ALL

Info@FCIA.org
www.FCIA.org



FCIA – Firestop Contractors International Association

- **Info@FCIA.org for FREE Webinars**
- **Info@FCIA.org FREE Life Safety Digest**
- **INFO@FCIA.org FREE FCIA MOP PDF**
- **UL/ULC, FM 4991 Contractor Programs**
- **ASTM Inspection Standards**
- **IAS AC 291 Inspection Agency Accreditation**
- **FCIA Firestop Education**
 - **Firestop Certificate & Individual Knowledge**
- **Resources - VISIT FCIA.org**



FCIA Actions –

- ***NEW Education for Careers in Firestopping!!***
- ***FCIA's Firestop Education Program (FEP)***
 - ***3.5 Hours Level 1 – LAUNCHED***
 - ***16.5 Hours Level 2 - LAUNCHED***
 - ***4.0 Hours Level 3 – LAUNCHED***
- ***24 Hours Education...***
- ***30++ Hours = Education & Exams –***
 - ***Members – Unlimited Subscription***
 - ***Non-Members – Visit FCIA.org***
 - ***SPECIFIERS, Code Officials, Fire Marshals – FREE Level 1***

FCIA – Firestop Contractors International Association

- Canada – Symposiums, National Prescence, NBCC, NFC
- Qatar - Doha FCIA Symposium; Members
- India - Mumbai/Ahmadabad – Fire Safe Build India – IIT-G
- UAE - Dubai – FCIA Symposium; Civil Defence
- Saudi Arabia - Riyadh – BIG5 Show; UL, ICC, TBWIC
- Mexico/LATAM - CONAPCI/AMRACI
- Australia/New Zealand – FPA, Etc.



FCIA – Firestop Contractors International Association

- **UL/ULC, FM 4991 Contractor Programs**

- DRI's
- Exams for Contractors, Inspection Agencies

- **IAS AC 291 Inspection Agency Program**

- Responsible Individuals / Competence

- **ASTM Inspection Standards – ASTM E2174 & ASTM E2393**

- *High Rise, Category III & IV, R>250 ('21), NFPA 1, NFPA 101 Appx. & in Specifications Worldwide*

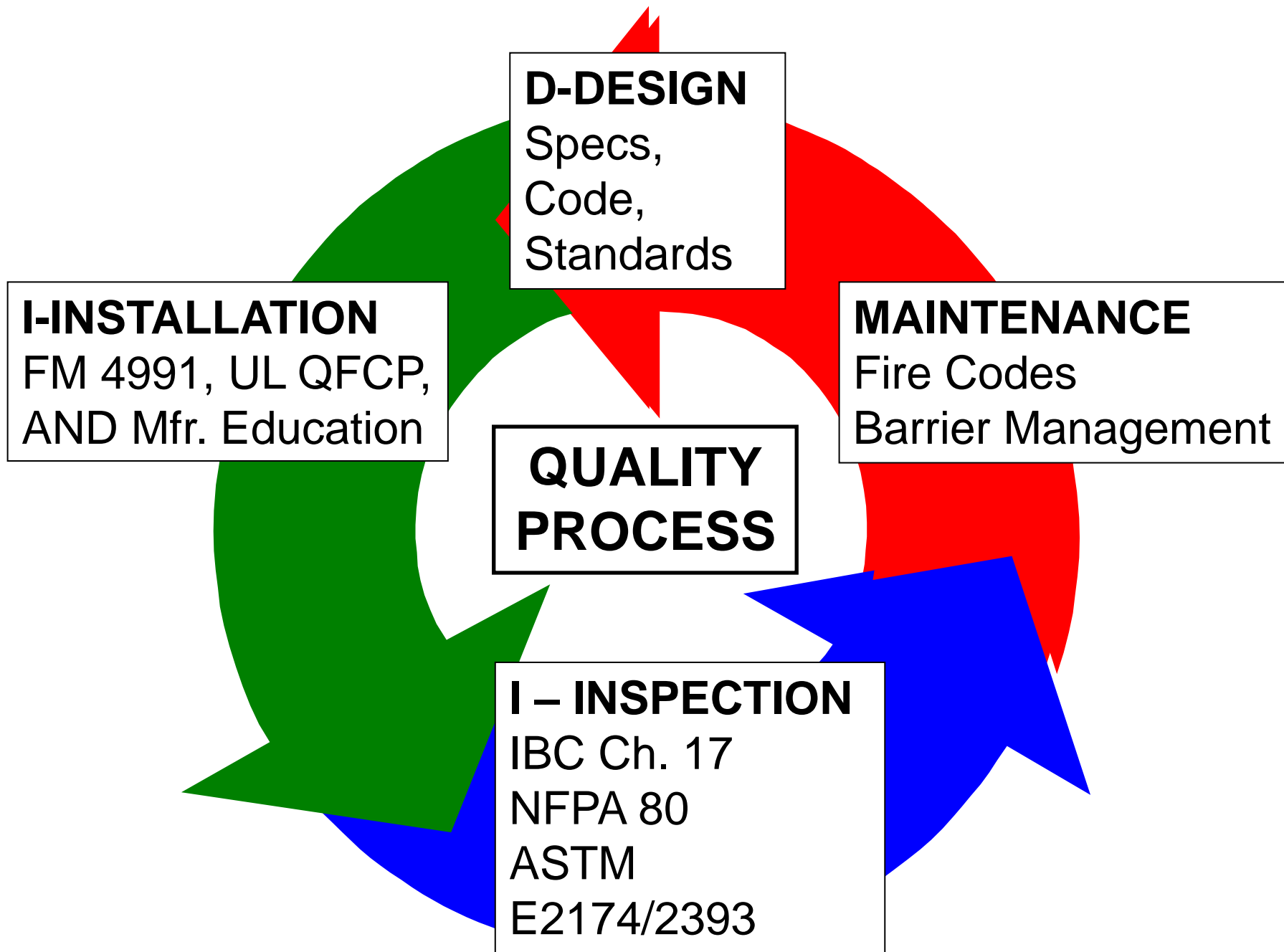
- **Watch FCIA.org for Webinar Announcements!**

Systems & Materials....



“TOTAL FIRE PROTECTION”

- Effective Compartmentation
 - Fire Barriers, Fire Walls, Floors, Smoke Barriers
 - Firestopping, Fire Dampers, Swinging and Rolling Fire Doors, Fire-Rated Glazing
 - Fire-Resistive Protection for Ductwork
- Detection & Alarm Systems
- Sprinkler Suppression Systems
- Education & Egress –
 - Building Owners & Managers, Building Occupants and Firefighters



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So, You Want to Read a Firestop System Listing?

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Building & Fire Code Requirements

- International Codes –
 - New and Existing Buildings – International Building Code – Chapter 7
 - Maintenance – International Fire Code – Chapter 7
- NFPA Codes –
 - New and Existing Buildings – NFPA 5000 & 101 – Chapter 8
 - Maintenance – NFPA 101 & 1
- Canadian Codes –
 - New and Existing Buildings – National Building Code of Canada
 - Maintenance – National Fire Code of Canada
- UAE Fire and Life Safety Code – Chapter 1, Section 21
- Other Worldwide Codes
- ***Minimum requirements - Construction & Maintaining Protection***

US Building & Fire Code Requirements

- Fire-Resistance-Rated Barriers – Defined Terms
 - *Exterior Walls*
 - *Fire Walls*
 - *Fire Barriers*
 - *Fire Partitions (Not in NFPA)*
 - *Smoke Barriers*
 - *Smoke Partitions*
 - *Horizontal Assemblies (Not in NFPA)*
 - *Archaic Assemblies*

Compartmentation Codes – IBC

- **Products Become Systems – Test Standards (Methods)**
 - **Fire & Smoke Barriers – Fire Separations**
 - ASTM E119 / UL 263 / ULC-S101
 - **Firestopping** – ASTM E814 / UL 1479 / FM 4990 / ULC-S115, ASTM E1966 / UL 2079 / ULC-S115, E2307, E2837
 - **Swing/Rolling Fire Doors** – UL 10B/C / NFPA 252 / ULC-S104 Doors / S105 Frames / S113 for 20 minute wood doors, UL 1784
 - **Fire Rated Glazing** – UL 9 / NFPA 257 / ULC-S106, ASTM E119 / UL 263 / ULC-S101
 - **Fire/Smoke Dampers** – UL 555 / ULC-S112, UL 555S / ULC-S112.1, UL 555C / ULC-S112.2
- **SYSTEM Testing = Suitability Statement**

Code Requirements for Penetrations of Wall Assemblies – IBC Section 714 Cont.

- **714.4.1** – Through penetrations shall be protected by one of the following:
 - As tested as part of the entire wall assembly
 - As tested to UL 1479 / ASTM E814
 - Exceptions:
 - Concrete, grout or mortar
 - Annular space protection material
- **714.4.1.2** – When tested to UL 1479 / ASTM E814, through penetrations shall have an F Rating of not less than the required rating of wall penetrated

Code Requirements for Penetrations of Wall Assemblies – IBC Section 714 Cont.

- **714.4.2** – Membrane penetration shall be protected as follows:
 - As specified in 714.4.1 (i.e. through penetrations)
 - Recessed fixtures shall be installed so as not to reduce the required fire resistance
 - Exceptions:
 - Multiple exceptions for electrical boxes and other recess boxes
 - Annular space created by fire sprinklers

Code Requirements for Penetrations of Horizontal Assemblies – IBC Section 714

- **714.5.1** – Through penetration shall be protected by one of the following:
 - As tested as part of the entire horizontal assembly
 - As tested to UL 1479 / ASTM E814
 - Exceptions:
 - Annular space protection material
 - Concrete, grout or mortar
 - Listed electrical boxes of any material installed per listing (i.e. poke-throughs)

Code Requirements for Penetrations of Horizontal Assemblies – IBC Section 714 Cont.

- **714.5.1.2** – When tested to UL 1479 / ASTM E814, through penetrations shall have F and T Ratings of not less than 1 hour but not less than required rating of assembly penetrated
 - Exception
 - Penetrations contained and located within the cavity of a wall above or below the floor do not require T Rating
 - Penetrations of floor, tub or shower drains do not require T Rating
 - Penetrations of max 4 in. diam metal conduit or tubing into metal enclosed electrical power switchgear do not require a T Rating

Code Requirements for Penetrations of Horizontal Assemblies – IBC Section 714 Cont.

- **714.5.2** – Membrane penetration shall be protected as follows:
 - As specified in 714.5.1 (i.e. through penetrations)
 - Recessed fixtures shall be installed so as not to reduce the required fire resistance
 - Exceptions:
 - If less than 100 sq in. per 100 sq ft, metallic penetrants may be either firestopped or fireblocked
 - Multiple exceptions for electrical boxes and luminaires
 - Noncombustible items cast into concrete that do not penetrate both top and bottom surfaces of the elements
 - Annular space created by fire sprinklers
 - Ceiling membrane penetrations by double wood top plate of wall assembly provided wall is sheathed with Type X gypsum board

Code Requirements for Penetrations – Miscellaneous

- **714.4.3** and **714.5.3** – Noncombustible penetrants shall not be connected to combustible penetrants beyond point of firestop system
- **714.5.4** – Penetrations in smoke barriers shall have an L Rating at ambient and 400°F
 - Max 5.0 CFM / sq ft of opening
 - Aggregate 50 CFM / 100 sq ft of barrier

Code Requirements for Fire-Resistant Joint Systems – Section 715

- **715.1 General.** Joints installed in or between fire-resistance-rated assemblies shall be protected by an approved *fire-resistant joint system* designed to resist the passage of fire for a time period not less than the required *fire-resistance rating* of the assembly in which it is installed.

Code Requirements for Fire-Resistant Joint Systems – Section 715 Cont.

- **715.3 Fire Test Criteria.** *Fire-resistant joint systems* shall be tested in accordance with the requirements of either ASTM E1966 or UL 2079.
- **715.6 Fire-resistant joint systems in smoke barriers.** Joints in smoke barriers shall have an L Rating not in excess of 5 cfm / lineal ft of joint at 0.30 inch of water at ambient and at 400°F.

Code Requirements for Perimeter Fire Containment Systems – Sections 705 and 715

- Sections 705.8.5 and 715.4 of 2018 IBC
- **705.8.5 Vertical Separation of Openings** Requires unprotected openings in exterior walls not separated horizontally by 5 ft to be:
 - Separated 3 ft minimum vertically by spandrel girder or 1 hr exterior wall, or
 - Separated 30 in. minimum horizontally by 1 hr flame barrier
 - These requirements waived if building is sprinkled and/or three stories of less
- Section 705.8.5 protects against leap-frogging

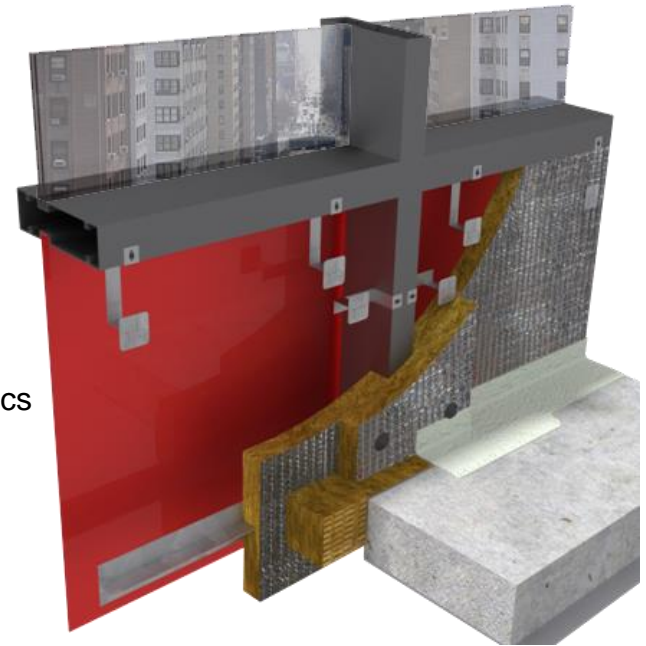
Code Requirements for Perimeter Fire Containment Systems – Section 715 Cont.

- **715.4 Exterior curtain wall/floor intersection** Void at edge of rated floor shall be sealed with material which will resist interior spread of fire when tested to ASTM E2307. Requires an F rating not less than fire-resistance rating of floor.

IBC & Curtain Walls

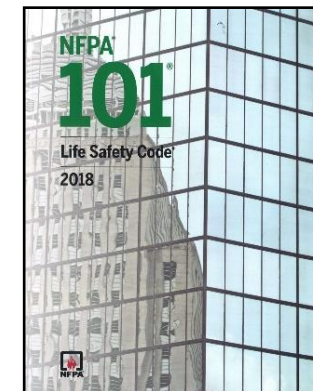
- **ASTM E2307**
 - Prevents Fire Spread – **Interior** Safing Slot
 - Interior Flame
 - Exterior Flame Plume from Window
 - Time–Temperature
 - Tested Systems....
- **Leapfrog Testing**
 - (ASTM E2874)
 - UL Integrity and Insulation Ratings

OCF/Thermafiber Graphics



Fire Codes Require Maintenance

- NFPA 101
- NFPA 1
- International Fire Code
- National Fire Code of Canada
- UAE Fire and Life Safety Code – Chapter 1, Section 21
- Other Worldwide Codes
 - **Minimum Requirements Stated**
 - **Frequency of Inspections Stated**



Firestopping Penetrations for Continuity

- **Products become SYSTEMS Based on Testing**
- **‘Field Erected Construction...Tested to...’**
 - Standards – UL 1479, ASTM E814, FM 4990, ULC-S115
 - US Ratings:
 - F Rating – Flame
 - T Rating – Temperature
 - L Rating – Smoke
 - W Rating – Water
 - M Rating – Movement



3M Photo

Firestopping Fire-Resistant Joints Systems for Continuity

- **Products become SYSTEMS Based on Testing**
- **‘Field Erected Construction...Tested to...’**
 - Standards – UL 2079, ASTM E1966, ULC-S115
 - Assembly Rating – Flame & Temperature
 - L Rating – Smoke
 - W Rating – Water



Firestopping Perimeter Fire Containment Systems for Continuity

- **Products become SYSTEMS Based on Testing**
- ‘Field Erected Construction...Tested to...’
 - Standards – ASTM E2307, ULC-S115
 - F Rating – Flame
 - T Rating – Temperature
 - Integrity Rating – Flame
 - Insulation Rating – Temperature
 - L Rating – Smoke



Installation Instructions and Listings – The Keys to Code Compliance

Is there a UL Solutions requirement to follow manufacturers installation requirements? **YES**

XHEZ Guide Card: Materials used in the firestop systems are intended to be installed **in accordance with the manufacturer's instructions** provided with the materials.

Is there a codes requirement to follow manufacturer installation requirements? **YES**

2021 IBC:

714.2 Installation. A listed *penetration firestop* system shall be installed in accordance with the manufacturer's installation instructions and the listing criteria.

714.4.1.1 Fire-resistance-rated assemblies. *Through penetrations* shall be protected using systems installed as tested in the *approved* fire-resistance-rated assembly.

2021 NFPA 101:

8.3.4.1.3 Penetrations shall be protected by a tested system **installed and maintained in accordance with the manufacturer's instructions.**

Manufacturers installation instructions may vary...

Installation Instructions and Listings – What Manufacturers May Indicate

Substrate Prep:

Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperature shall be between 40°F (4°C) and 95°F (35°C). Consult appropriate manufacturer's drawing for system design requirements. Forming or packing materials are required as an integral part of various system designs.

Preparatory Work: The surface of the opening and any penetrating items should be cleaned to allow for the proper adhesion of the [REDACTED]. Ensure that the surfaces of the substrates are not wet and are frost free. Sealant can be installed with a standard caulking gun, pneumatic pumping equipment or it can be easily applied with a putty knife or trowel.

Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Allow product to dry a minimum of 24 hours before exposure to moisture. Consult appropriate manufacturer's drawing for system design requirements. Forming or packing materials are required as an integral part of various system designs.

CPVC Compatibility:

- Check CPVC manufacturers' current compatibility list for firestop products before using
- Not for use with CPVC

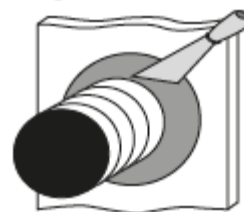
Collars:

Fasten all collar anchor tabs to mounting surface using approved fasteners.

Tooling:

Install sealant to required depth. Work sealant into all areas exercising care to eliminate voids or seams. The surface of the sealant can be smoothed using a putty knife dipped in water. Adding water to the sealant itself is not recommended.

Other:



- Paintable (best results obtained after 72 hour cure)

*2h @ 23°C (73°F) / 50 % r.H.

CERTIFIED Solution Identification

WARNING

FIRESTOPPING INSTALLED BY UL CERTIFIED FIRESTOP CONTRACTOR
DO NOT DISTURB. Notify building management of any damage

Date of installation _____

Firestopping system _____

Installed by _____

Location _____

Lot number _____

Company name _____

Phone number _____

UL file number _____



Available to UL Solutions Qualified Contractor program members in 2024!

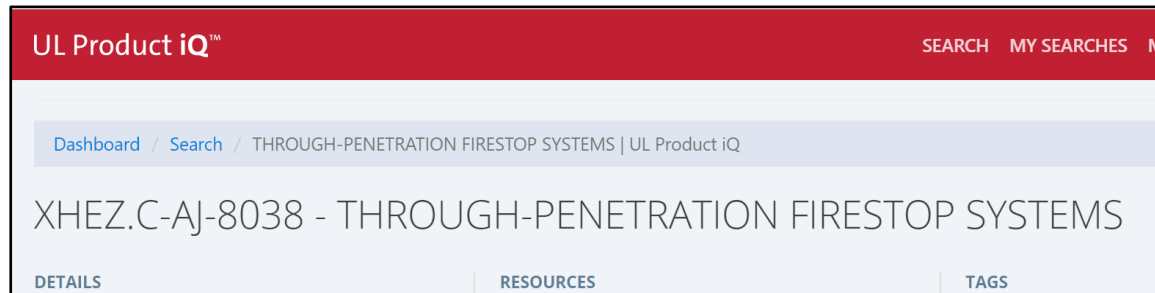
CONTACT SPECIAL
INSPECTOR TO
VERIFY THE
INSTALLATION

Where do You Find the Most Current Listings?

- Fire Rated Systems Directories –
 - FM Approval Guide
 - Intertek Directory of Building Products
 - UL/ULC Product iQ Online Directory



Systems Selection & Analysis...Not as easy as it looks...



System Selection Using the UL Directories

UL Product iQ



Organization of Listing information for Fire Resistance, and Firestop, Joint & PFC Systems

- Guide information
- Designs, systems or assemblies
- Product categories (indexed by manufacturer's names)

Guide Information

- Equipment, materials or systems included in the category
- Intended use, restrictions or supplemental information that apply
- Standard(s) used to evaluate products under the category
- Listing or Classification Mark information for the category

Designs or Systems

- Each fire resistance design, firestop system, joint system and perimeter fire containment system contains specific construction features and ratings
- Many designs and systems contain various options and various ratings
- Must be followed exactly for rating to apply

Product Categories

- Each product category describes some generic family of products (e.g. Firestop Devices)
- Each product category contains manufacturers and designations of products tested for use in specific fire resistance designs, firestop systems, joint systems and perimeter fire containment systems

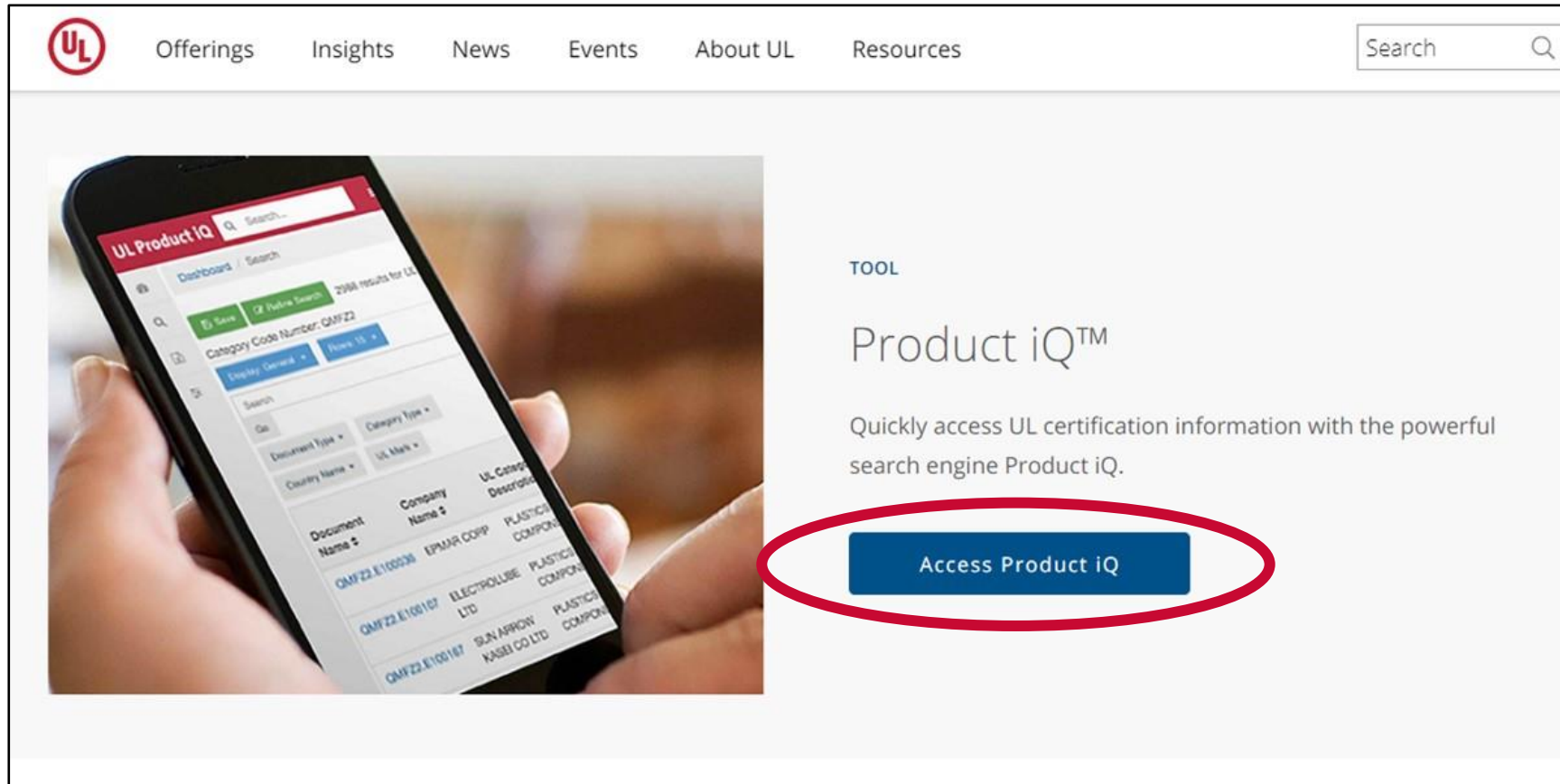
Product iQ – UL's New Online Directory

- Replaces the old Online Certifications Directory which was developed in 1999
- Identifies Certified products, designs, systems, assemblies and constructions
- Helps you achieve code compliance
- Is continuously updated
- Requires one-time registration to create user account
- Basic Service – no charge for use

Product iQ – UL's New Online Directory

- Paid Subscription Service provides more features
 - Save Searches
 - Tags and Groups
 - Confirmation Letters
- <https://iq.ulprospector.com/en/>
- Vanity addresses
 - www.ProductiQ.UL.com
 - www.UL.com/ProductiQ
 - www.UL.com/PiQ

UL Product iQ – www.ul.com

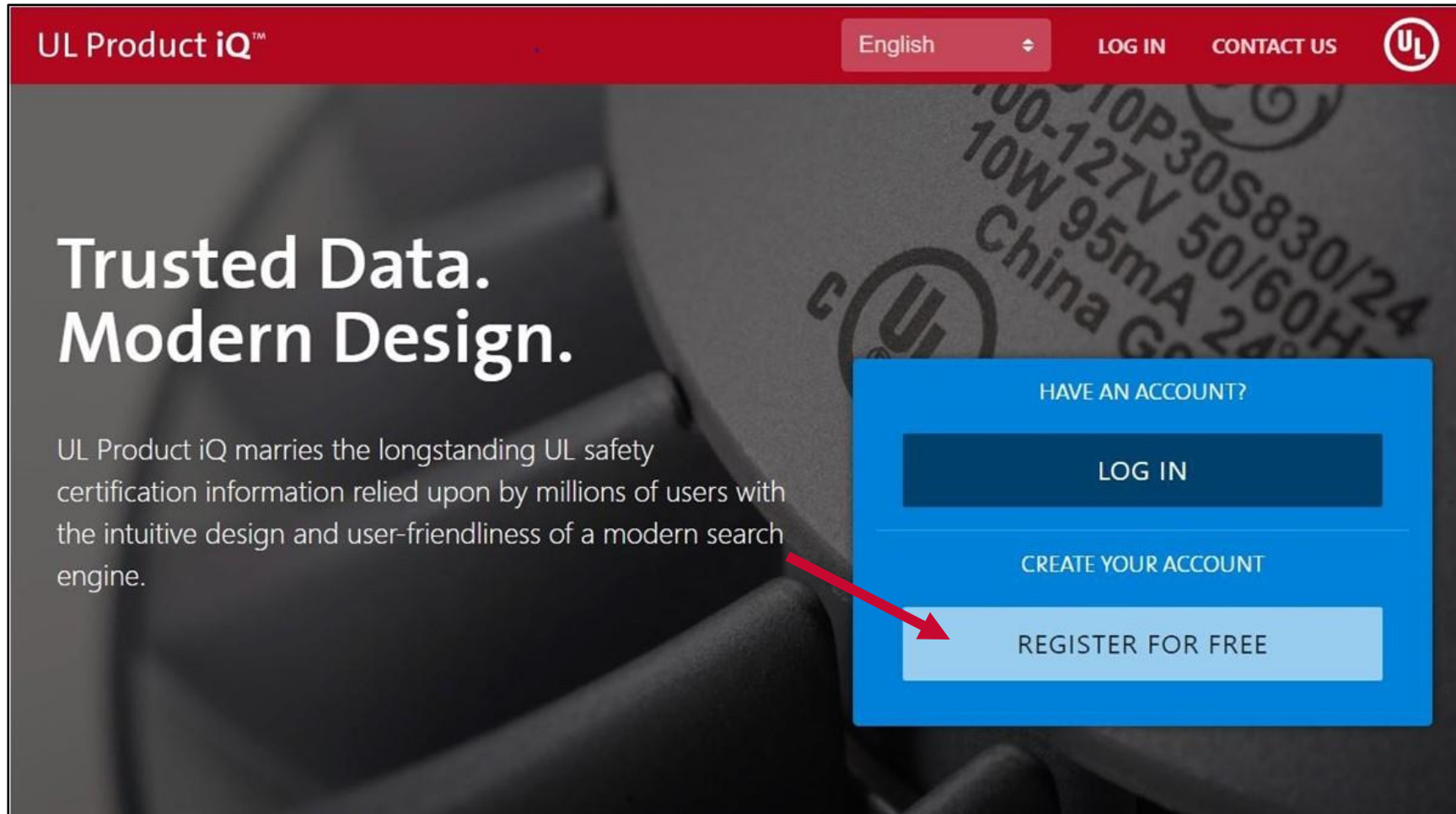


The image shows a screenshot of the UL Product iQ website. At the top, there is a navigation menu with the UL logo on the left and links for Offerings, Insights, News, Events, About UL, and Resources on the right. A search bar is located in the top right corner. Below the navigation, there is a large image of a smartphone displaying the UL Product iQ mobile app interface. The app shows a search bar, a 'Dashboard / Search' header, and a list of search results. The results table includes columns for Document Name #, Company Name #, and UL Category Description. The first three rows of results are:

Document Name #	Company Name #	UL Category Description
QM722.E100036	EPMAR CORP	PLASTIC COMPON
QM722.E100107	ELECTROLUBE LTD	PLASTIC COMPON
QM722.E100167	SUN ARROW KASEI CO LTD	PLASTIC COMPON

To the right of the smartphone image, the text 'TOOL' is displayed above the title 'Product iQ™'. Below the title, a description reads: 'Quickly access UL certification information with the powerful search engine Product iQ.' A blue button labeled 'Access Product iQ' is positioned below the text and is circled in red.

UL Product iQ Cont.



The screenshot shows the UL Product iQ website interface. At the top, there is a red navigation bar with the text "UL Product iQ™" on the left, a language dropdown menu set to "English" in the center, and "LOG IN" and "CONTACT US" links on the right. The UL logo is also present in the top right corner. The main content area features a dark background with a close-up image of a UL safety certification label. The label text includes "100-10P30S830/24", "10W 127V 50/60Hz", "10W 95mA 24V", and "China".

Trusted Data. Modern Design.

UL Product iQ marries the longstanding UL safety certification information relied upon by millions of users with the intuitive design and user-friendliness of a modern search engine.

HAVE AN ACCOUNT?

LOG IN


CREATE YOUR ACCOUNT

REGISTER FOR FREE

A red arrow points from the text "user-friendliness" in the paragraph above to the "REGISTER FOR FREE" button in the overlay.

UL Product iQ Cont.

UL Product iQ

English

Product iQ is a commercial platform for product information, including UL's safety certifications. This registration form is tailored to industry professionals. If you are a non-commercial user, please read the information prompts for help completing certain fields. [Additional information regarding free accounts.](#)

Upon submission of this form, you will receive an email with an activation link. Click the link and receive immediate access to Product iQ. If you do not receive the email within a few minutes, please check your spam folder.

CREATE YOUR ACCOUNT

First Name *	Last Name *
<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>
Company Email * ?	
<input type="text" value="user@yourcompany.com"/> <input type="button" value="Q"/>	
Company Name * ?	
<input type="text" value="Company Name"/> <input type="button" value="Q"/>	
Job Title * ?	
<input type="text" value="Job Title"/>	

Helpful Hints

Read the information prompts for help completing certain fields.

After submitting this form, check your inbox for an email with your activation link to access this site.

If you are missing the activation email, look in your email spam folder.

UL Product iQ Cont.



UL Product iQ Cont.

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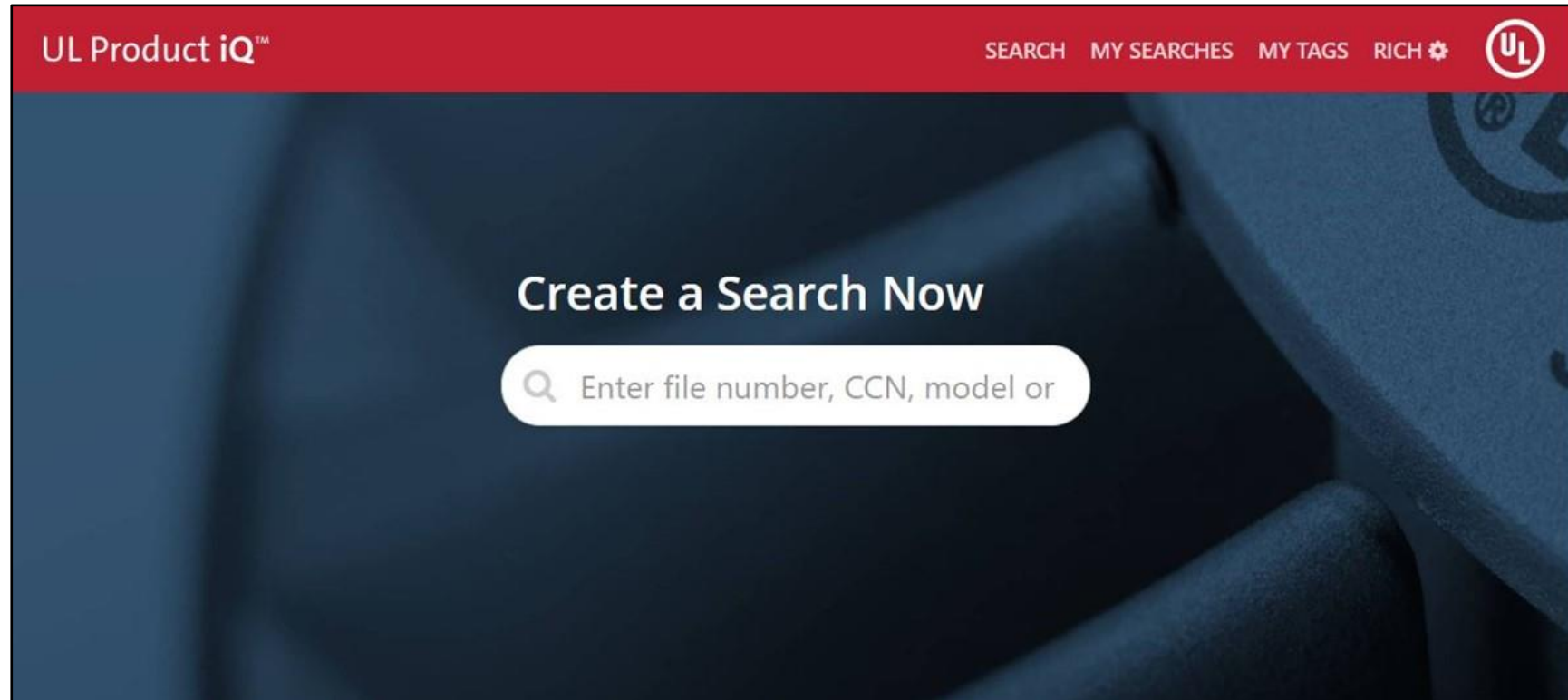
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UL Product iQ marries the longstanding UL safety certification information relied upon by millions of users with the intuitive design and user-friendliness of a modern search engine.

A blue modal box is overlaid on the right side of the page, titled "HAVE AN ACCOUNT?". It contains three buttons: a dark blue "LOG IN" button, a light blue "CREATE YOUR ACCOUNT" button, and a light blue "REGISTER FOR FREE" button. A red arrow points from the "LOG IN" button in the modal to the "LOG IN" link in the top navigation bar.

UL Product iQ Cont.

Smart Search



UL Product iQ Cont.

iQ Plus Search

UL Product iQ™

SEARCH MY SEARCHES MY TAGS RICH ⚙️ UL

iQ™ Family of Databases
For enhanced search functionality.

UL Architectural Services
Find enhanced information related to fire rated walls, floors, roofs, beams, columns, joints and firestops.

Feedback

IQ PLUS SEARCH TOOLS ⓘ

- Authorized Service Providers >
- Building Materials, Systems and Installation Codes >
- Finished Goods >
- Gaskets >
- Other >

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[Learn more](#)

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UL Product iQ Cont. iQ Plus Search

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Product iQ Tour

Get the most out of your Product iQ experience. Take a tour of the app to learn more about it.

Product and Component Suppliers:

- Have a question about UL Certification? [Let us know how we can assist you.](#)
- Want to learn more about our Product iQ marketing solutions? [Learn more here.](#)

iQ™ Family of Databases

For enhanced search functionality.

IQ PLUS SEARCH TOOLS

Authorized Service Providers

[Alarm Services](#)

UL Solutions certifies alarm service providers for code compliance in a variety of categories. For more detailed category information, click on the four-character category codes shown below in parentheses by each category name.

[Authorized Label Suppliers](#)

Authorized Label Supplier Search

[Lightning Protection System Installers \(OWAY\)](#)

UL qualified Lightning Protection System installers capable of installing systems in accordance with standards such as UL96a, NFPA 780, AFI 32-1065 & IEC 62305 and able to offer the UL Master Label Certificate to assure compliance.

[Medical Management Systems Registered Firms](#)

[Qualified Firestop Contractors \(RFTI\)](#)

The QFCP allows contractors to show their commitment to the proper installation of firestop systems. View QFCP and Master Audit Certificate of Compliance (MACC) recipients here.

[Qualified SFRM Contractors \(RFTO\)](#)

The UL Solutions Qualified SFRM Contractor Program is a voluntary program that allows contractors to proactively demonstrate their commitment to the proper installation of fireproofing materials.

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For enhanced search functionality.

UL Architectural Services
Find enhanced information related to fire rated walls, floors, roofs, beams, columns, joints and firestops.

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IQ PLUS SEARCH TOOLS

- Authorized Service Providers
- Building Materials, Systems and Installation Codes
- Finished Goods
- Gaskets
- Other

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Learn more

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Learn more about Product iQ features

UL Product iQ Cont.

The screenshot displays the UL Product iQ website interface. At the top, a red navigation bar contains the logo and links for SEARCH, MY SEARCHES, MY TAGS, RICH, and Solutions. The main content area is divided into three columns. The left column features three blue boxes: 'Product iQ Tour', 'Product and Component Suppliers' (with a red arrow pointing to the 'Learn more here' link), and 'iQ™ Family of Databases'. The middle column, titled 'IQ PLUS SEARCH TOOLS', lists 'Authorized Service Providers' and 'Building Materials, Systems and Installation Codes'. Under the latter, there are links and descriptions for 'Continuity Head-of-Wall Joint Systems', 'Dampers', 'Electrical Circuit Integrity Systems (FHIT)', and 'Exterior Wall Systems'. The right column contains two promotional banners: one for account updates and another for test specimens, both featuring the UL logo and a 'Start here' button.

UL Product iQ®

SEARCH MY SEARCHES MY TAGS RICH Solutions

Product iQ Tour

Get the most out of your Product iQ experience. Take a tour of the app to learn more about it.

Product and Component Suppliers:

- Have a question about UL Certification? [Let us know how we can assist you.](#)
- Want to learn more about our Product iQ marketing solutions? [Learn more here.](#)

iQ™ Family of Databases

For enhanced search functionality.

IQ PLUS SEARCH TOOLS

Authorized Service Providers

Building Materials, Systems and Installation Codes

Search for designs, systems, assemblies, and products that include, or are related to, hourly fire-resistance ratings. Or search by installation code section.

[Continuity Head-of-Wall Joint Systems](#)

Covers continuity head-of-wall joint systems, consisting of a fire-resistance-rated wall, a non-fire-resistance-rated horizontal assembly, and materials to prevent the spread of fire through the linear opening between these assemblies.

[Dampers](#)

The category Dampers for Fire Barrier and Smoke Applications covers fire dampers, smoke dampers (leakage-rated dampers), combination fire and smoke dampers (fire and leakage-rated dampers), and corridor dampers.

[Electrical Circuit Integrity Systems \(FHIT\)](#)

Electrical Circuit Integrity Systems consist of components and materials that are intended for installation as protection for specific electrical wiring systems, with respect to the disruption of electrical circuit integrity upon exterior fire exposure.

[Exterior Wall Systems](#)

Contains assemblies evaluated for fire-propagation characteristics in accordance with NFPA 285. "Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components".

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We produce your test specimens

And provide all the related services you need.

Material supply Test specimen production Safety and performance testing Certification of materials and components

Empowering Trust®

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UL Product iQ Cont.

The screenshot displays the UL Product iQ website interface. At the top, there is a red navigation bar with the text 'UL Product iQ®' on the left and 'SEARCH MY SEARCHES MY TAGS RICH' followed by the UL logo and 'Solutions' on the right. The main content area is white and lists several certification categories, each with a blue underlined title and a brief description. Two red arrows point from the left margin to the 'Fire-rated Grease Duct Assemblies' and 'Fire-rated Ventilation Duct Assemblies' entries. On the right side of the page, there is a promotional banner for 'UL Solutions' with the text 'Receive notification of an update to a search or file with an upgraded Product IQ account' and 'Now receive your first month free!' over an image of a person working at a computer. Below the banner, the word 'Advertisement' is visible.

UL Product iQ®

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UL Solutions

[Fire Door and Fire Window Related Certifications](#)
Covers fire door and fire window components and completed assemblies designed to serve as opening protectives in fire-resistance-rated construction.

[Fire Rated Roofs, Walls, Floors, Beams and Columns](#)
This category covers roof-ceilings, walls and partitions, floor-ceilings, beams and columns certified to US based requirements for an hourly fire-resistance rating per UL 263.

[Fire Rated Roofs, Walls, Floors, Beams and Columns for Canada](#)
This category covers roof-ceilings, walls and partitions, floor-ceilings, beams and columns certified to Canadian based requirements for an hourly fire-resistance rating per CAN/ULC-S101.

[Fire-rated Grease Duct Assemblies](#)
Covers the fire-resistive performance of grease duct assemblies investigated to UL 2221, "Tests of Fire Resistive Grease Duct Enclosure Assemblies," and/or ASTM E2336-04, "Standard Test Methods For Fire Resistive Grease Duct Enclosures."

[Fire-rated Ventilation Duct Assemblies](#)
This category covers the fire-resistive performance of ventilation duct assemblies. These assemblies are investigated with respect to their ability to resist the spread of fire from one compartment to another without the aid of fire dampers.

[Fire-resistance Ratings of Structural Steel Used in Petrochemical Facilities](#)
This category covers hourly fire-resistance ratings of steel columns investigated using a rapid rise fire exposure in accordance with UL 1709 and intended for use in petrochemical facilities.

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UL Product iQ Cont.

The screenshot shows the UL Product iQ website interface. The top navigation bar is dark red with the UL logo and 'Solutions' on the right, and 'SEARCH MY SEARCHES MY TAGS RICH' on the left. A close button (X) is visible in the top right corner of the main content area. The main content area is light blue and contains several product categories, each with a red arrow pointing to its title and description:

- Firestop Systems**: Covers firestop systems certified to US based requirements, which consist of a wall or floor assembly, a penetrating item passing through an opening in the assembly, and the materials designed to prevent the spread of fire through the openings.
- Firestop Systems for Canada**: Covers firestop systems certified to Canadian requirements, which consist of a wall or floor assembly, a penetrating item passing through an opening in the assembly, and the materials designed to prevent the spread of fire through the openings.
- Installation Code Search**: This search feature will be discontinued for all model codes except the National Electrical Code (NEC®) on September 1, 2023. Search for UL Certified products by installation code. Select your model installation code and section to locate UL Certified products for Code compliant installations.
- Joint Systems**: Covers joint systems certified to US based requirements, which consist of adjacent fire-resistance-rated wall and/or floor assemblies and the materials designed to prevent the spread of fire through a linear opening between the wall and/or floor.
- Joint Systems for Canada**: Covers joint systems certified to Canadian requirements, which consist of adjacent fire-resistance-rated wall and/or floor assemblies and the materials designed to prevent the spread of fire through a linear opening between the wall and/or floor.
- National Electrical Code (NEC®)**: Search the National Electrical Code (NEC®) for UL Certified products by selecting the edition year and section to locate UL Certified products for Code compliant installations.
- Perimeter Fire Containment Systems**: A perimeter fire containment system is a specific construction consisting of a floor with an hourly fire endurance rating, an exterior curtain wall with no hourly fire endurance rating, and the fill material installed between the floor and the curtain wall.

A 'Feedback' button is located in the bottom right corner of the main content area.

UL Product iQ Cont.

The screenshot displays the UL Product iQ website interface. At the top, a red navigation bar contains the text "UL Product iQ" on the left and "SEARCH MY SEARCHES MY TAGS RICH" followed by the UL logo and "Solutions" on the right. The main content area is divided into two columns. The left column features a vertical list of category icons: a blue house icon for "Finished Goods", a red lightbulb icon for "Lighting", a blue gear icon for "Materials", and a yellow gear icon for "Other". The right column contains five text-based links with descriptions: "Roof Deck Constructions" (describing fire and wind resistance), "Sprinkler Identification Number", "Thermal Barrier Systems (XCLF)" (describing protection for electrical wiring), "UL Evaluation Reports", and "Windstorm Rated Building Products" (describing exterior protection for hurricanes or tornadoes). A red "Feedback" button is located in the bottom right corner of the page.

UL Product iQ Cont.

Access and Reading a Firestop System

- **Review Live:**
 - U410
 - C-AJ-1155
 - C-AJ-4036
 - C-AJ-8001
 - W-L-2030
 - W-L-2154
 - W-L-5001



UL Product iQ Cont.

Searching for a System Based on Parameters

- Wall or Floor Construction Type, Rating
- Wall or Floor Thickness
- Penetrating Item, Coverings
- Size, Type, Thickness
- Annular Space, Joint, Breach Sizes
- Packing/Damming/Backing Materials
- Fill Material(s)

= *Rated Firestop System*

Manufacturers Instructions, Tested and Listed Designs



STI Graphic

UL Product iQ Cont.

Searching for a System Based on Parameters

iQ Plus Search under Building Materials and Systems for firestop systems based on specific parameters

- 4-1/2 in. concrete slab floor assembly
- 2 hour rating
- ABS plastic pipe
- Firstopping material supplied by the Specified Technologies Inc.



Live Search:

UL Product iQ Cont.

Access and Reading a Joint System

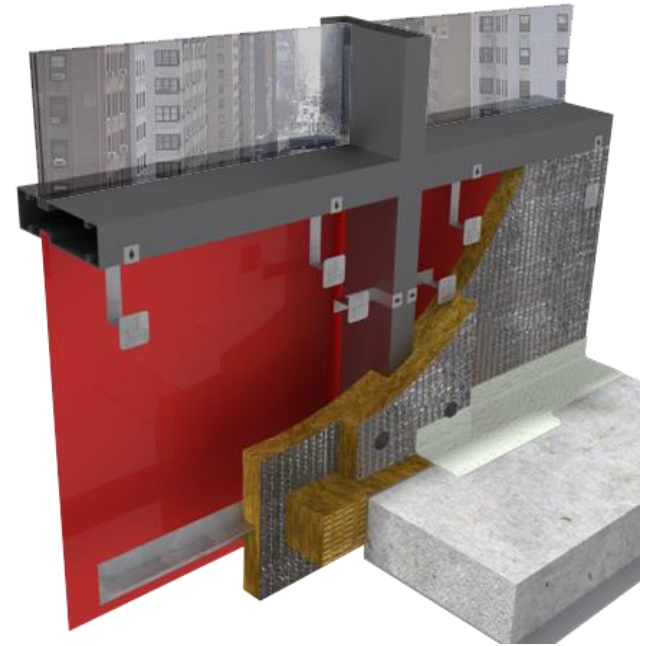
- **Review Live:**
 - BW-S-0002
 - FF-D-1001
 - HW-D-0221



UL Product iQ Cont.

Access and Reading a PFC System

- **Review Live:**
 - CW-D-1046



Questions??



Thanks for Attending!!!

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