

# FyreFlange® Firestop Angle

FyreFlange® Firestop Angles consist of galvanized steel retaining angles with a layer of bonded intumescent material designed to be installed around the perimeter of non-dampened square or rectangular steel ducts. Powder coated red for easy inspection and identification; FyreFlange® Firestop Angles meet the exacting criteria of ASTM E814 (UL1479) and CAN/ULC S115.

Unlike traditional duct firestopping methods utilizing backer or packing materials, sealants, and angles installed and inspected in stages, FyreFlange® Firestop Angle can be installed as the duct is installed and inspected just once after the installation is complete.

FyreFlange® is available as a pre-firestopped angle or as intumescent gasketing for field fabrication with 2 in (51 mm) by 2 in (51 mm) min 20 GA (or heavier) steel angles.

## Applications

FyreFlange® Firestop Angles are engineered for use with steel ducts up to 92 in (234 cm) by 96 in (244 cm) installed through barriers rated up to and including 2 hours tested designs include options for non-insulated duct as well as ducts insulated with up to 2 in (51 mm) thick 3/4 pcf (12 kg/m cu) glass fiber duct wrap.

## Specifications

The fire-rated retaining angles shall consist of powder coated galvanized steel angles with a bonded intumescent gasket and an integral corner clip assembly to join angle sections together. The fire-rated retaining angles shall provide a minimum 15x free expansion and shall contain no water soluble expansion ingredients. Fire-rated retaining angles shall be UL Certified and tested to the requirements of ASTM E814 (UL1479) and CAN/ULC-S115.

### Specified Divisions

Division 7	07 84 13	Penetration Firestopping
Division 22	22 00 00	Plumbing
Division 23	23 00 00	HVAC

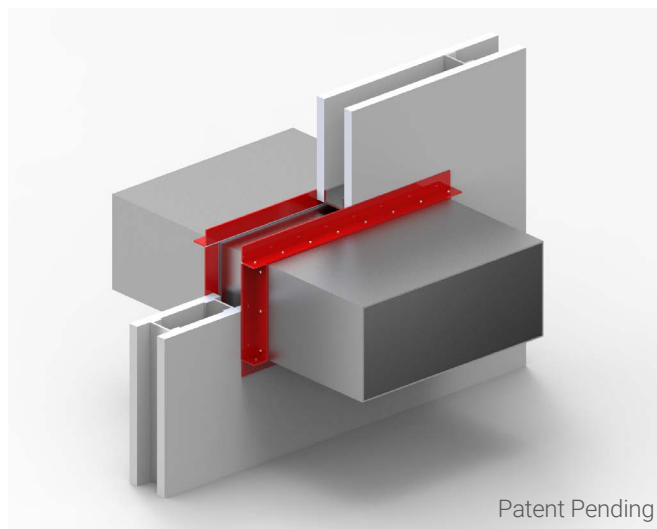
## Performance

FyreFlange® Firestop Angles are the basis for firestop systems for non-rated square or rectangular duct penetrations that meet the exacting criteria of ASTM E814 (UL1479) and CAN/ULC-S115. UL Systems have been tested for common forms of construction for up to 2 hours.



## Maintenance

No maintenance is ordinarily required with a product of this nature. Periodically inspect all fire-rated barriers to confirm that they are properly sealed.



## PHYSICAL PROPERTIES

Dimensions	2" (51 mm) x 2" (51 mm) x 96" (244 cm)
Metal Thickness	0.035" (0.89 mm)
Weight	4.1 lbs (1.9 kg)
Color	Red
Expansion Begins	350°F (177°C)
Expansion Range	15x (Typical Free Expansion)
In Service Temperature	Less than 130°F (54°C)
Radiation Exposure	Unaffected
VOC Content	N/A
Shelf Life	No Limit

## Features & Benefits

- One step installation
- Economical - saves labor
- Clearly marked for easy inspection
- Red color for easy identification
- No additional firestop or backing materials required
- Eliminates the need for multiple inspections
- Can be installed over or under duct insulation

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## System Selection

To find your firestop system or create a submittal, visit <https://systems.stifirestop.com/> to use System Search & Submittal Builder. You may also visit the [UL Online Certifications Directory/UL Product iQ™](#) for complete listings. (Firestop Systems).

## Technical Service

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website [www.stifirestop.com](http://www.stifirestop.com) including Safety Data Sheets (SDS's).

## Precautionary Information

Wear appropriate safety equipment and exercise proper care when cutting metal. Cut edges may be sharp. Exercise care when handling.

## Availability

FyreFlange® Firestop Products are available from Specified Technologies Inc. (STI) authorized distributors. For additional purchasing and technical information or for the names and locations of the nearest representative and/or distributor, regarding this and other Specified Technology products, please call 1-800-992-1180 or visit [www.stifirestop.com](http://www.stifirestop.com).

### ORDERING INFORMATION

Catalog Number	UPC Number	Size	(UOM) Qty.	Case Qty.	Weight (Each)
FFA2208	730573322086	2" x 2" x 96" (51 x 51 mm x 244 cm) (Steel Angle with Gasket)	1	6/Box	4.32 lbs (1.96 kg)

### ORDERING INFORMATION - ACCESSORIES

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
FFC22	730573300220	1 Bag of FyreFlange® Corner Clips (8 per bag)	1	1 Bag	0.89 lbs (0.40 kg)

IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.

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