

# 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

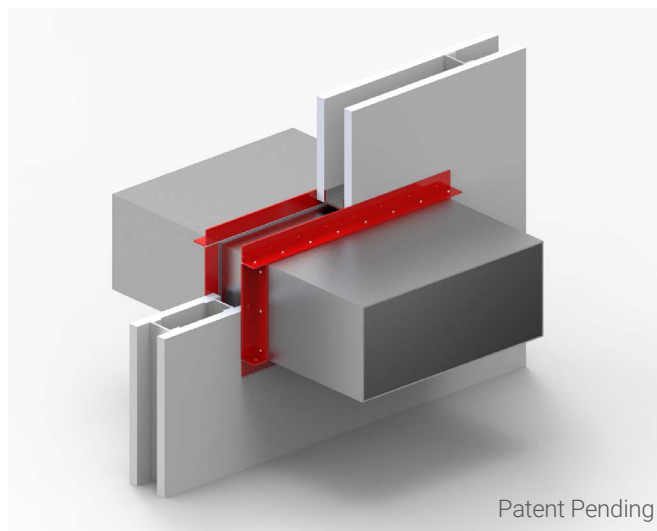
## Performance

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

## FyreFlange® Firestop Angle

FyreFlange®

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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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