



US150 Fire Barrier Foam

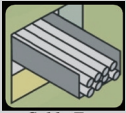
Applications



Air duct



Plastic Pipe



Cable Tray



Metallic Pipe



Cable Bundle



Multiple Penetrations



No Penetration



Description

Industry leading Firestop Technology, US150 Fire Barrier Foam is a two component medium density foam which, when mixed, forms a rigid-density fire retardant foam. US150 Fire Barrier Foam is designed for large openings containing single or multiple penetrations.

US150 Fire Barrier Foam's fast expansion technology quickly fills voids, and conforms to irregular shapes and sizes, offering excellent protection from fire, heat transfer, smoke and gases.

Repairable and re-penetrable, US150's rigid structure is easy to drill using common hole saws, ideal for irregular shaped openings that will require future penetrations.

US150 Fire Barrier Foam is low VOC, halogen and asbestos free, durable and maintenance free.

Meets the intent of LEED® VOC environmental air quality.

Specifications:

	US150 A	US150B
Color:	Black	Yellow
Packing:	14Kg/Pail 400 ml 2K Cartridge	6Kg/Pail 400 ml 2K Cartridge
Foaming time:	1 - 5 min.	
Optimum foaming temp:	68° F - 86° F (20° C - 30° C)	
Curing Time:	24 hours	
Foam rate:	2.5 - 4 times	
L.O.I.:	≥32	
Storage temp:	59° F - 77° F (15° C - 25° C)	
In-Service temp:	-13° F - 176° F (-25° C - 80° C)	
Shelf life:	12 months	
Intumescent expansion rate:	4-8 times	
Mix ratio A:B	7-3 by weight	
Yield per kit:	60,000cm ³ (depending on ambient conditions)	
Performance:	50+ years HOAC tested	

Fill, void or cavity material.
For use in through-penetration
firestop and joint systems.



US150 Fire Barrier Foam

Testing

ASTM E814 up to 2 hr F&T Rating

UL 1479 up to 2 hr F&T Rating

CNS 14514 up to 3 hr Class A&B

GB 23864

ASTM E662 & FAR 25.853

Installation guide for cartridge system:

(Clean all surfaces of the opening and penetrants before applying).

1. Hold the cartridge with the nozzle pointing upwards and pointing away from you then unscrew the cap.
2. Thread the static mixer onto the cartridge and screw securely.
3. Release the dispenser on applicator gun and pull back the piston rod.
4. Insert the cartridge in the dispenser.
5. Trigger the gun several times until the mixture in the mixer has a constant color. Discard the first few strokes.
6. Apply US150 to build up a seal by working from the back towards the front and bottom to top of the opening.
7. If necessary, install forming material at the back side or bottom side before applying.
8. Once the void is filled, excess foam may be trimmed flush with the surface of the wall or floor using a sharp knife or blade.

Installation guide:

1. Refer to applicable certification directory or www.painttoprotect.com for listed assemblies.
2. Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperatures must be between 68° F - 86° F (20° C - 30° C).
3. Calculate amount of material required, based on the fact that a 20 Kg kit yields 60,000 cm³.
4. US150 is supplied as two part components (Parts A & B). Settling and separation during storage is expected, therefore both components must be stirred with a clean paddle or suitable power mixer prior to use.
5. Using a scale, weigh out and mix parts of US150A and US150B at a ratio of 7 - 3. Mixing may be accomplished using a paddle mixer or other suitable power mixer in a container or by the use of automatic mixing and dispensing equipment. If paddle mixing is used, mix aggressively for 30 seconds.
6. Immediately pour mixed foam into the penetration. Product rises and cures in 1- 5 minutes depending on temperature.
7. Mechanical mixing and dispensing is recommended for large volume applications.



International Fireproof Technology Inc.
The Ultimate in Firestop Solutions and Fire Protective Coatings

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