

# FM012 Firestop Putty



## Description

FM012 Firestop Putty is an elastomeric paste with fast reacting intumescent properties that blocks the passage of flame toxic fumes and smoke. Firestop Putty is used to protect penetrations such as cable bundles, conduits, metallic pipes and air ducts with up to a 3-hour fire resistance rating.

After exposure to  $1 \times 10^6$  Gy ( $1 \times 10^8$  rad) of neutron or gamma radiation, FM012 will maintain full firestop performance characteristics 50 plus years.

## Uses

Seals joints around cables, insulated pipes, electrical conduit and metallic pipe penetrations in fire rated walls and floors.

## Feature

- Highly intumescent-rapid expansion and high volume char
- Excellent elasticity, easy to install
- Halogen free
- Asbestos free
- Contains no organic solvents
- FM012 will not sag in vertical applications

## Specification

Density	Approx. $1.3 \pm 0.1 \text{ g/cm}^3$
Color	Red
Time for full cured	7~14 days
Operating Temp.	5~40°C
Storage Temp.	10~30°C
VOC	<50 g/L
STC Rating (ASTM E90)	63(per construction type)
Package	5Kgs/Pail, 20Kgs/Pail, 310ml/Tube ; 25Tubes/CTN 20 fl.Oz/Sausage ; 20 Sausages/CTN
Shelf Life	2 years

## Applications



## Test

- UL 1479, 2hrs,T and F Rating
- ULC S115
- FM approved
- CNS15814-1
- CNS14514, 3hrs, Class A&B
- GB23864
- ASTM E662
- ASTM E84

## Installation guide

1. Ensure the application area is free of oil, loose dirt, rust or scale.
2. If forming is required, ceramic fiber blanket or mineral wool is recommended to use. Cut forming material over-size to allow for tight packing, position forming material to allow for the proper depth of FM012 firestop putty.
3. Apply FM012 firestop putty by manually troweling.
4. Work FM012 firestop putty into all areas to eliminate voids or seams.
5. The putty surface can be smoothed using the putty knife dipped in water.
6. In some application including FP-02 or FP- 04+ firestop sheet, FM012 firestop putty is recommended as a sealing material. Apply FM012 firestop putty on the edges around the entire perimeter before firestop sheet secured to the floor or wall.
7. FM012 firestop putty is dried and cured by water evaporation, it is not recommended for use in a wet environment.