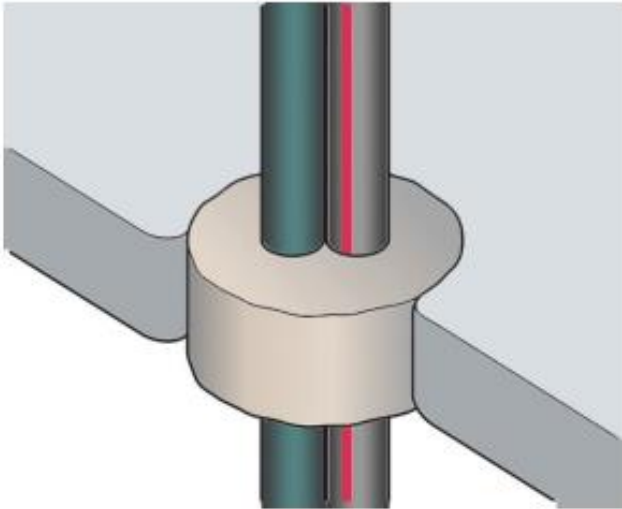


# Firestop Putty-KP

Firestop systems for cable penetrations



**The optimum material / installation method for round shaped openings with diameter up to 150mm and small size cables.**

Firestop Putty-KP is a highly heat resistant and high fireproof gap sealing material. Firestop Putty KP filled up in an opening, through which cables pass through a fire protection section in a building, prevents the fire to transmit the cables.

Since it is a non-curable putty that can be softly deformed during installation, it is ideal for sealing gaps between small circular openings and cables. On the other hand, when exposed to flame, it hardens and becomes a fireproof material.

## **Excellent fireproof performance. (2 hours fireproof)**

It is a putty type fireproof filler material and 2 hours fireproof performance has been certified. (UL System No. C-BJ-3035)

## **Soft and easy to fill.**

With moderate softness and stickiness, it compatibly adheres to various building materials. In addition to the fire-protection section, it can be conveniently used for finishing work by sealing any part, such as openings that need to prevent the passage of smoke / water also invasion of small animals, or clearance gaps between joints. It is fire retardant, weather resistant and water resistant.

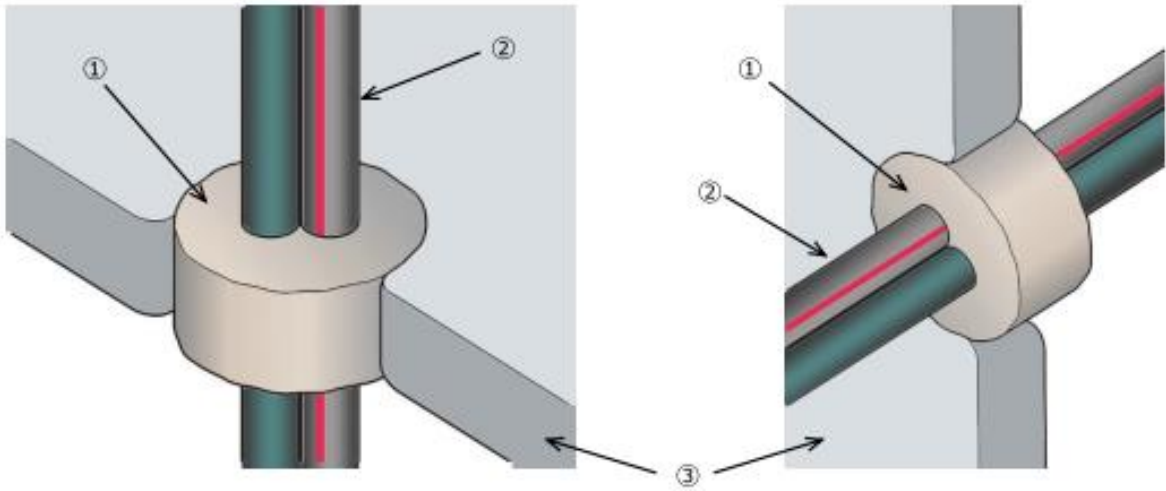
## **Optimum for small openings.**

It is suitable for circular openings up to 150 mm in diameter, and can be applied to the openings either in floors or walls.

## **Extremely lightweight and easy for installation.**

For its extremely lightweight with 1.0 of specific gravity, it is easy to carry and install, then economical. Since it will not harden after construction, it is easy to re-install.





#### Technical Data

##### ① Firestop Putty-KP

Use application:

Fireproof putty to fill up a space between the cables and the opening.

Specific gravity: 0.95 g/cm<sup>3</sup>

Consistency: 60 ± 15 (JIS)

Flame retardancy: Oxygen index 26 or higher

Heating loss: 105°C to 110°C, 3 hours, 1% or less (JIS)

Electrical insulation: Volume resistivity  $6.7 \times 10^{11} \text{ W} \times \text{cm}$

Color: Gray

##### ② Cables

③ Concrete floor or wall  
(Refer to Installation Guide for details)

#### Fireproof Certification

UL System No. C-BJ-3035

ANSI/UL 1479 (ASTM E814)

Fire Rating 2Hr

CAN/ULC S115

Fire Rating 2Hr



# Firestop Putty-KP

Furukawa Electric Brand

Firestop systems for cable penetrations

## Application Procedure



Get rid of dirt on the cables and opening, and fill up with the putty.



Fill up to the full thickness of the floor or wall (filling thickness 150 mm or more), and finish by smoothing the surface.

## Installation Guide

### Floor or Wall Assembly

Min 150 mm thick reinforced lightweight or normal weight (1600-2400 kg/m<sup>3</sup> or 100-150 pcf) concrete floor or wall. Wall may also be constructed of any UL Classified Concrete Blocks. Max diam of opening 150 mm.

### Cables

Aggregate cross-sectional area of cables in opening to be max 47 percent of the aggregate cross-sectional area of the opening. Cables to be centered within the opening and rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of copper conductor cable may be used:

① Max 3/C No. 2/0 AWG (or smaller), ② Max 2/C No. 10 AWG, copper conductor power cables with PVC insulation with PVC jacket. ③ Max 30/C No. 12 AWG, ④ Max 2/C No. 16 AWG, copper conductor control cables with PVC insulation with PVC jacket. ⑤ Max 122.7 mm<sup>2</sup> Fiber Optic (F.O) cables with PE insulation and jacket. ⑥ Max 50 pair No. 19 AWG, ⑦ Max 1 pair No. 22 AWG, copper conductor telecommunication cables with PE insulation and PVC jacket. ⑧ Max 30.2 mm<sup>2</sup> coaxial cables with PE insulation with PVC jacket. ⑨ Max 4 pair No. 24 AWG copper conductor data cables with PE insulation and PVC jacket.

**Firestop System** — The firestop system shall consist of the following:

**A. Fill, Void or Cavity Material** — Fire Stop Putty-KP — Min 150 mm thickness of fill material applied within the annulus, flush with top and bottom surface of floor or with both surfaces of wall.

## Technical Data

- ① Color: Gray
- ② Consistency:  $60 \pm 15$  (JIS A 5752)
- ③ Specific gravity:  $0.95 \pm 0.1$  (water displacement method)
- ④ Flame retardancy: Oxygen index 26 or higher; UL94 V-0 (specimen thickness of 8mm)
- ⑤ Heating loss: 105°C to 110°C, 3 hours, 1% or less (JIS A 5752)
- ⑥ Electrical insulation: Volume resistivity (room temperature)  $6.7 \times 10^{11} \text{ W} \times \text{cm}$
- ⑦ Accelerated weathering resistance: No abnormalities after 600 hours of testing in Super UV Tester
- ⑧ Water resistance: No abnormalities after immersion in tap water (room temperature) for 144 Hr
- ⑨ Effects on metal: No abnormalities when applied to Al, Cu, Pb, Fe, stainless steel, and brass (60°C x 336 Hr)
- ⑩ Effects on resin: No abnormalities when applied to polyethylene, cross-linked polyethylene, and PVC (60°C x 336 Hr)

## Storage and use conditions

- (1) Avoid exposure to direct sunlight or high humidity. Store the product in a room at 40°C or less.
- (2) Do not use the product in areas or parts continuously immersed in water or in contact with oil.
- (3) Read the precautions printed on the product or the SDS, etc. for additional and detailed information.

## Sales unit, Packaging

500g in polyethylene bag

Carton: 10kg corrugated cardboard carton (500g in bag x 20)

