Technical Insulation
Passive Fire Protection
Great Britain & Ireland

K-Stop® Putty Pad / Cord

Technical Data Sheet

Description

Kingspan K-Stop® Putty Pad / Cord is an easy to apply fire and sound rated sealant supplied as a non-setting putty. The putty is hand workable, re-useable and re-serviceable due to its non-setting properties. The putty is manufactured and supplied in different shapes and forms for different applications.

Putty Pads for Sockets

When electrical sockets and switches are installed in dry lining partitions, the original fire rating of the partition is compromised. Fitting K-Stop® Putty Pads will reinstate the fire rating of the partition for up to two hours (depending on the partition fire rating) preventing the passage of smoke and flames in a fire, and sound and air movement during service life, through the electrical socket, into the cavity.

Putty Cords for Fire Sealing Services

The K-Stop® Putty Cord is designed to be easily fitted around service penetrations where the gap around the services is very small, or there is no gaps at all so a conventional fire rated sealant is impossible or difficult to fit due to the required depth and backing material. The putty cords are fitted covering the gap around the services and do not need to fill the gap to the required depth.

General Properties

- Supplied in different shapes and forms for multiple application areas.
- Certified in the UK and EU.
- Installation is very simple and quick.
- Stops penetration of both cold and hot smoke.
- Self-adhesive and very easy to apply without tools.
- Unaffected by moisture; can be used in wet rooms.
- Never hardens and ensures a tight fit.
- Can be reshaped to other sizes if necessary.
- Provides sound insulation.
- No harm to user or end installation.
- Contains a low pressure intumescent for optimal fire protection.
- Patented solution (Putty Cord).
- Putty Pads can be installed within plastic and metal socket boxes.

Kingspan®

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Emission Data (Indoor Air Quality)

Regulation or Protocol	Conclusion
French VOC Regulation	A+
French CMR Regulation	Pass
Italian CAM	Pass
ABG / AgBB	Pass
Belgian Regulation	Pass
EMICODE	EC 1
Indoor Air Comfort	Pass
Blue Angel (DE-UZ 132)	Pass
BREEAM International	Exemplary Level
BREEAM NOR	Exemplary Level

K-Stop® Putty Pad / Cord has been tested by Eurofins Product Testing; reports available upon request.

Technical Data

Condition	Ready for use, silicone based putty
Durability / Service	Class Z_2 : Intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV
Density	1.55 g/ml
Application Temperature	+4°C to +40°C
Service Temperature	-70°C to +120°C
Storage	Stored in temperatures between 5°C and 30°C
Working Life	25 years
Colour	Red
Form	Pads or cords pre-shaped to its intended use
Packaging	Carton boxes

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Installation of K-Stop® Putty Cord

General Guidance

Minimum Separations and Limitations

Services can be sealed as specified in the detailed drawings. The product may be used to seal gaps between 0 mm and 10 mm surrounding services. Minimum separation between apertures should be at least 30 mm. For larger joint dimensions or apertures other than described in the detailed drawings, Kingspan K-Stop® Intumescent Mastic Plus, Kingspan K-Stop® Coated Batt or Kingspan K-Stop® Compound Fire Mortar should be used. In areas with a high degree of humidity and / or in joints with excessive movement, Kingspan K-Stop® Firescreen Sealant or K-Stop® Coated Batt should be used.

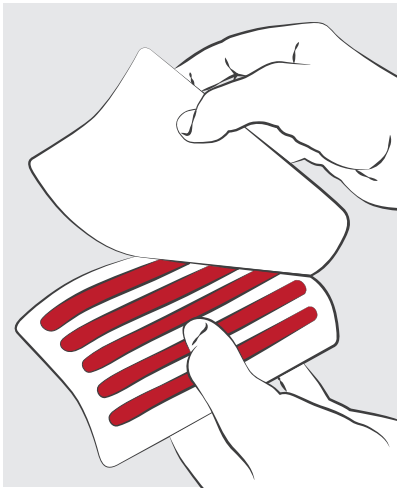
Supporting Constructions

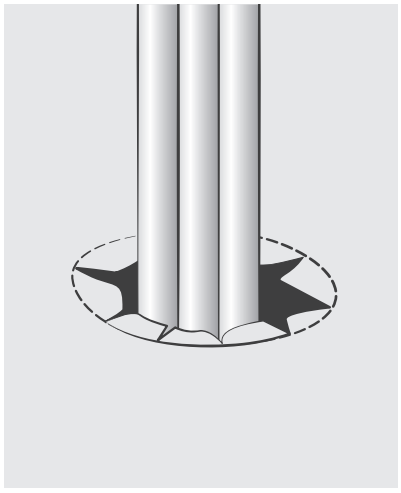
Flexible walls must have a minimum thickness of 100 mm and comprise steel studs or timber studs** lined on both faces with minimum 2 layers of 12.5 mm thick boards. Rigid walls must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m^3. Rigid floors must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m^3. The supporting construction must be classified in accordance with BS EN 13501-2: 2016 (Fire classification of construction products and building elements - Classification using data from fire resistance tests, excluding ventilation services) for the required fire resistance period.

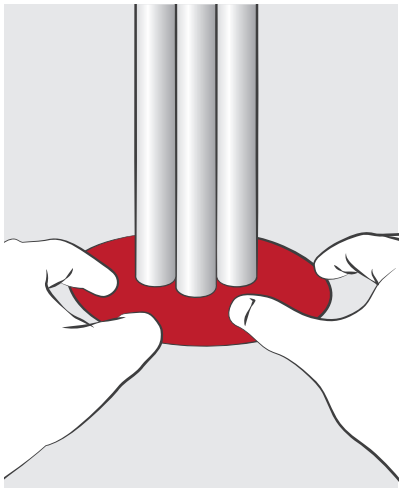
**Timber studs: no part of the penetration seal may be closer than 100 mm to a stud, and minimum 100 mm of insulation of class A1 or A2 according to BS EN 13501-1: 2018 (Fire classification of construction products and building elements - Classification using data from reaction to fire tests) must be provided within the cavity between the penetration seal and the stud.

Instructions

1. Before installing K-Stop® Putty Cord ensure that the surface of all service penetrations and surrounding construction is wiped clean, dry, free from all loose contaminants, dust, oils and grease.
2. To aid adhesion to porous substrates take a thumb size piece of the putty cord and gently rub over the required installation mounting area (especially important in soffit applications).
3. Where K-Stop® Putty Cord is to be installed against surfaces that cannot tolerate direct contact; appropriate surface preparation should be made (contact Kingspan Technical Insulation for guidance in these cases). For paints sensitive to sealing compounds, priming with a PVA primer is recommended.
4. As K-Stop® Putty Cord is silicone based, in cases where corrosion protection is a problem; some metals may require a barrier between the putty and the metal surface prior to this installation.
5. When installing K-Stop® Putty Cord in hollow floor slabs or boards, fire seals should be installed from the soffit side of the floor assuming this product certification covers the application. Where this is not the case and only top-sided applications are approved, simply fire seal on both sides.
6. Place K-Stop® Putty Cord around the services so that it seals the services to the wall or floor all the way round.
7. Press K-Stop® Putty Cord into the wall or floor and services with your thumbs to form a fillet or V shape joint, ensuring good contact is made all the way round the services and the wall or floor.







K-Stop® Putty Pad / Cord

Installation of K-Stop® Putty Pad

General Guidance

Minimum Separations and Limitations

Socket boxes can be fitted back to back or side by side – one fitted to each face. Minimum separation between socket boxes on one side of the wall should be at least 30 mm.

Supporting Constructions

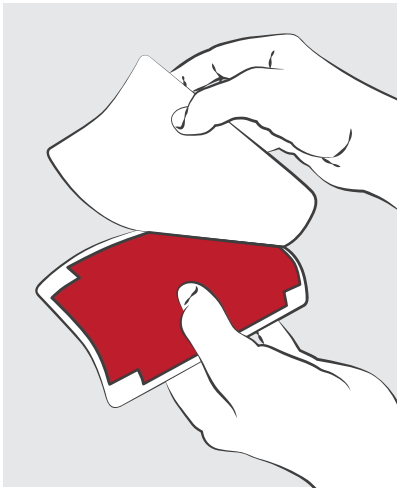
Flexible walls must have a minimum thickness of 100 mm and comprise steel studs or timber studs** lined on both faces with minimum 2 layers of 12.5 mm thick boards.
The supporting construction must be classified in accordance with BS EN 13501-2: 2016 (Fire classification of construction products and building elements - Classification using data from fire resistance tests, excluding ventilation services) for the required fire resistance period.

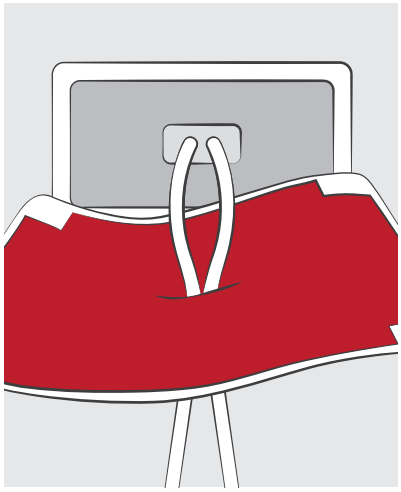
**Timber studs: no part of the penetration seal may be closer than 100 mm to a stud, and minimum 100 mm of insulation of class A1 or A2 according to BS EN 13501-1: 2018 (Fire classification of construction products and building elements - Classification using data from reaction to fire tests) must be provided within the cavity between the penetration seal and the stud.

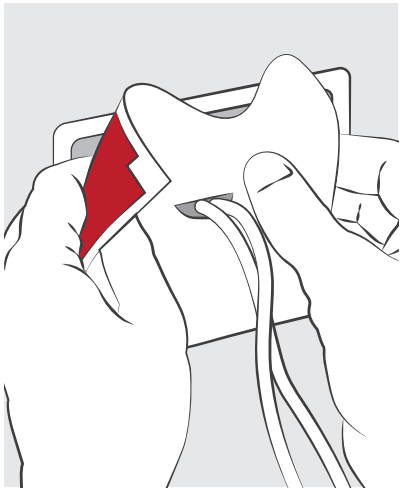
Instructions

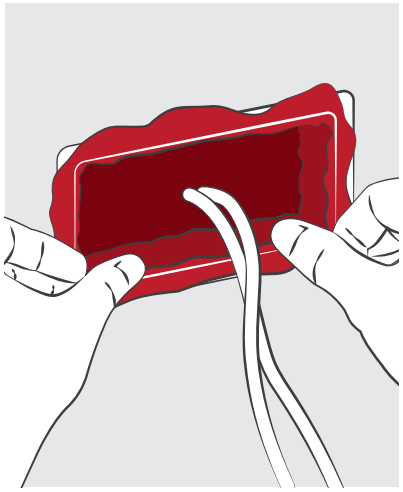
1. Wall boxes should be installed according to the Manufacturer's Instructions.
2. Before installing K-Stop® Putty Pad ensure that the surfaces are clean and sound, free from dirt, grease and other contamination.
3. Remove the backing paper from one side of the pad.
4. *Internal fitted:* insert the pad into the socket back box so that the pad completely covers the back and sides. Make a slit to allow the wires to pass through the pad. Trim off any excess material and proceed as normal installation.

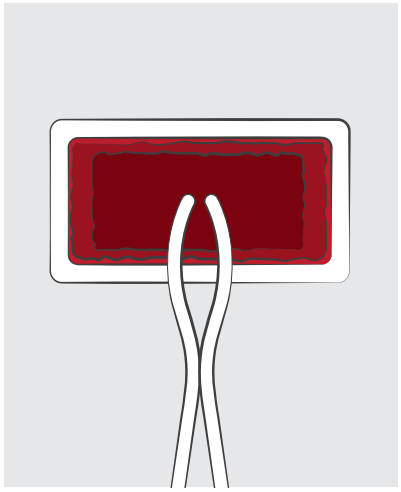
   Back face fitted: place the pad over the socket back box so that the pad completely covers the back and overlaps onto the dry lining partition. It may or may not be necessary to make a slit in the pad for the wires depending on the installation.
5. Remove the last backing paper.











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