
Technical Insulation

Passive Fire Protection
Great Britain & Ireland

K-Stop® Flamestop Multi-Collar

Technical Data Sheet

Description

Kingspan K-Stop® Flamestop Multi-Collar is a high temperature woven glass fibre textile collar which is used to ensure integrity and insulation of pipes through main fire barriers / fire curtains of Kingspan K-Stop® Flamestop Barrier Plus.

General Properties

K-Stop® Flamestop Multi-Collar is supplied in a 10 metre roll which is 300 mm wide, with a sewn-in collar for ease of fixing to the fire barrier / fire curtain.

Please contact the Kingspan Technical Insulation technical services department for further information.

Applications

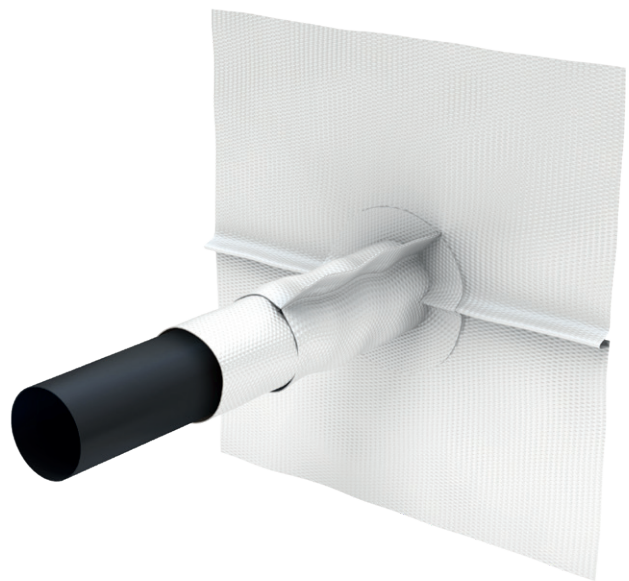
When used in conjunction with K-Stop® Flamestop Barrier Plus, K-Stop® Flamestop Multi-Collar enables insulated pipes to be fully closed at the penetration point and integrated into the main fire curtain / barrier.

Building Regulation, Fire safety: Approved Document B 2019
Section 10: Protection of openings and fire-stopping 10.4
Alternative B: Pipes with a restricted diameter states that:

"Where a proprietary sealing system is not used, fire-stop around the pipe, keeping the opening for the pipe as small as possible. The nominal diameter of the pipe should not exceed the relevant dimension given in Table 10.1".

For example: 40 mm nominal internal diameter for uPVC pipework.

Please note: K-Stop® Flamestop Multi-Collar is NOT a standalone product and should only be used in conjunction with tested passive fire products.



K-Stop® Flamestop Multi-Collar

Installation

K-Stop® Flamestop Multi-Collar is installed by wrapping and stapling around the insulated pipe, and then stapling to the main fire barrier / fire curtain at the pleat. Gaps should be sealed with Kingspan K-Stop® Firescreen Sealant or Kingspan K-Stop® Intumescent Mastic.

Fitting to Metal Pipe Penetrations

- Cut the K-Stop® Flamestop Multi-Collar to a suitable length to enclose the circumference of the pipe, allowing a minimum of 50 mm overlap for stapling.
- Pleat the main fire barrier / fire curtain horizontally at both sides of the penetration cut.
- Wrap the K-Stop® Flamestop Multi-Collar tightly around the pipe and staple the overlaps at 100 mm centres.
- Slide the K-Stop® Flamestop Multi-Collar against the fire barrier / curtain and staple it to the pleat in the main fire barrier / curtain.
- Use Kingspan K-Stop® High Temperature Adhesive to adhere unstapled faces of the K-Stop® Flamestop Multi-Collar to the main fire barrier / fire curtain. Seal any gaps with K-Stop® Firescreen Sealant or K-Stop® Intumescent Mastic.

Fitting to Plastic Pipe or Timber Penetrations

- Important - wrap the penetration for 1000 mm both sides of the fire barrier / fire curtain using the same insulated material as the fire barrier / fire curtain (K-Stop® Flamestop Barrier Plus). It should be wrapped tightly, allowing a 50 mm overlap for stapling at 100 mm centres.
- Cut the K-Stop® Flamestop Multi-Collar to a suitable length to enclose the circumference of the wrapped service. Allow a minimum of 50 mm overlap for stapling.
- Pleat the main fire barrier / fire curtain horizontally at both sides of the penetration cut.
- Wrap the K-Stop® Flamestop Multi-Collar tightly around the pipe and staple the overlaps at 100 mm centres.
- Ensure that the insulated wrap firmly abuts the main fire barrier / fire curtain, then slide the K-Stop® Flamestop Multi-Collar against the fire barrier / fire curtain and staple it to the pleat in the main fire barrier / fire curtain.
- Use K-Stop® High Temperature Adhesive to adhere unstapled faces of the K-Stop® Flamestop Multi-Collar to the main fire barrier / fire curtain. Seal any gaps with K-Stop® Intumescent Mastic.

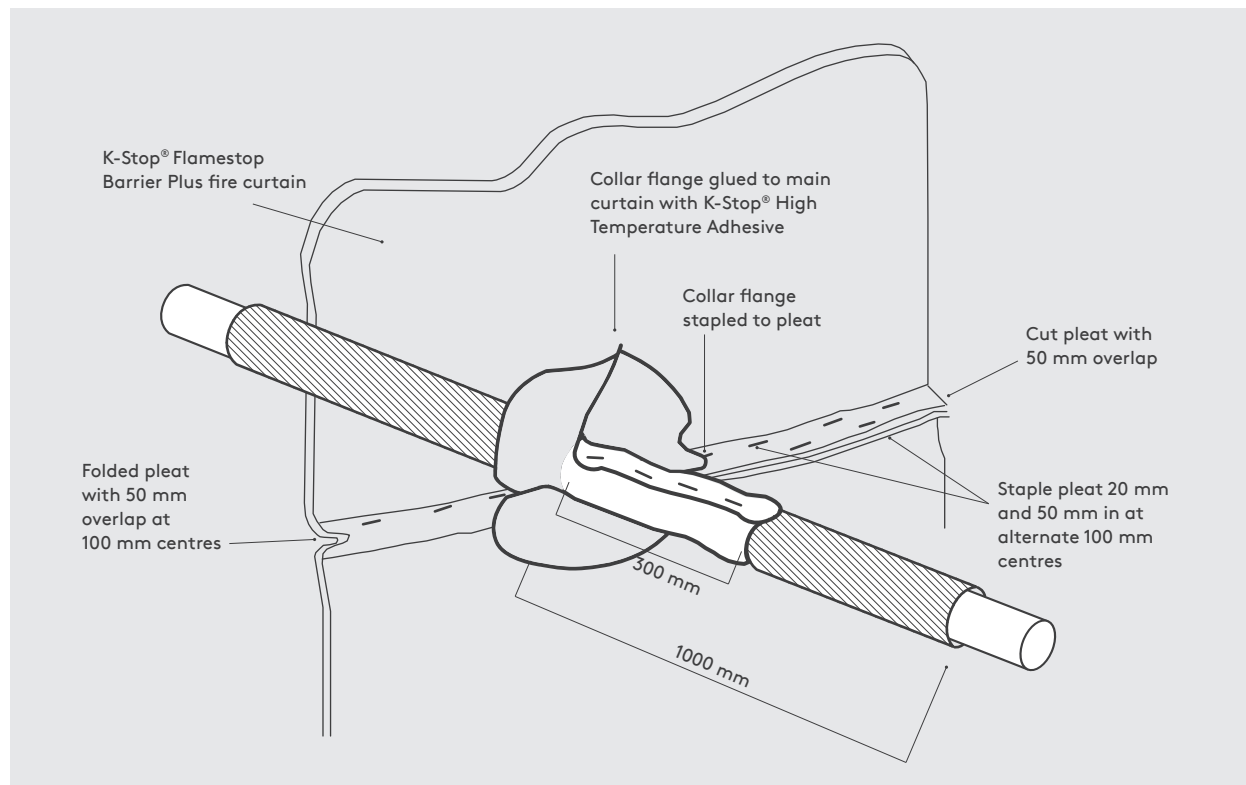


Figure 1. Example of K-Stop® Flamestop Multi-Collar installation in a wrapped timber application.

Further information is available from the Kingspan Technical Insulation technical services department.

Contact Details

Great Britain

Kingspan Technical Insulation Ltd
Harvey Road | Burnt Mills Industrial Estate
Basildon | SS13 1QJ

T: +44 (0) 1524 388 898
E: sales.pfp@kingspan.com
www.kingspanpassivefireprotection.co.uk

For individual department contact details please visit
www.kingspantechinsulation.co.uk/contacts

Ireland

Kingspan Insulation Ltd
Castleblayney | County Monaghan

T: +353 (0) 42 975 4219
E: sales.pfp@kingspan.com
www.kingspantechinsulation.ie



To check that you have the latest version of this brochure please visit
www.kingspanpassivefireprotection.co.uk or scan the QR code directly above.

To access pre-existing product information or information relating to previously sold/
discontinued products please email info.kti@kingspan.com.

The information contained in this brochure is believed to be correct at the date of publication. Kingspan Technical Insulation Limited ("Kingspan Technical Insulation") reserves the right to alter or amend the product specifications without notice due to continuous improvement commitments. There may also be relevant changes between publications with regard to legislation, or other developments affecting the accuracy of the information contained in this brochure. Product thicknesses shown in this document should not be taken as being available ex-stock and reference should be made to the current Kingspan Technical Insulation price-list or advice sought from Kingspan Technical Insulation's Customer Service Department. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Kingspan Technical Insulation does not accept responsibility for issues arising from using products in applications different from those described within this brochure or failure to correctly follow the information or instructions as described within this brochure. Recommendations for use should be verified with a suitable expert or professional for suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Technical Insulation offers a technical advisory service (see above for contact details), the advice of which should be sought for uses of Kingspan Technical Insulation products that are not specifically described herein. Please check that your copy of this literature is current by contacting the Kingspan Technical Insulation Marketing Department.

© Kingspan, K-Stop and the Lion Device are Registered Trademarks of the Kingspan Group plc in the UK, Ireland and other countries. All rights reserved.

Registered in England and Wales, No. 05571822. Registered Office: Harvey Road, Burnt Mills Industrial Estate, Basildon, SS13 1QJ, England. VAT GB872003452.

Registered in Ireland, No. 54621. Registered Office: Bree Industrial Estate, Castleblayney, Co. Monaghan, Ireland. VAT IE45750691.

