

Technical Insulation

Passive Fire Protection
Great Britain & Ireland

K-Stop® Flamestop Barrier Plus

Technical Data Sheet

Description

Kingspan K-Stop® Flamestop Barrier Plus is a lightweight fire barrier providing up to 1 hour compartmentation of voids and above fire rated walls where insulation and integrity is required. It is available in a standard roll size of 1.3 m x 7.0 m.

General Properties

- Lightweight.
- Waterproof.
- Easy to install.

Property	Typical Value
Standard Dimensions	1.3 m x 7.0 m
Fire Resistance	Up to 20 minutes insulation Up to 60 minutes integrity

Fire Performance

K-Stop® Flamestop Barrier Plus in the constructions specified in the table below, when subjected to BS 476-22: 1987 (Fire tests on building materials and structures. Method for determination of the fire resistance of non-loadbearing elements of construction) achieved the results shown.

Construction	Result
Aperture 3035 mm x 3050 mm. K-Stop® Flamestop Barrier Plus, 3 x vertical joints in accordance with the installation instructions below, retained via a 50 mm x 32 mm x 6 mm galvanised steel frame.	Achieved 60 minutes integrity and 20 minutes insulation

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



Applications

K-Stop® Flamestop Barrier Plus is a high performance, lightweight fire cavity barrier designed to limit smoke and flame spread. The product also limits heat transfer and the possible ignition of combustible materials on the cool side of the barrier. K-Stop® Flamestop Barrier Plus is used to compartmentalise structures within roof voids and above suspended ceilings, where the supporting construction is subject to a separate test with a performance that will withstand the effects of fire for the required period without influencing the performance of the K-Stop® Flamestop Barrier Plus fire barrier assembly.

Installation

K-Stop® Flamestop Barrier Plus is fixed at the head via a 0.55 mm galvanised steel C-stud with 65 mm x 6 mm diameter, anchors at 250 mm centres and clamped with a 25 mm x 25 mm x 0.6 mm galvanised steel angle with 38 mm x 63.9 mm diameter anchors at 300 mm centres.

For further information please contact the Kingspan Technical Insulation technical services department.

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