

Rainbar Plus

Open State Cavity Barrier

Integrity
up to
60
minutes



External
walls

For use within rainscreen cladding systems to maintain compartment lines to the exterior of the building envelope.

Description

Rainbar Plus comprises of a rock mineral fibre carrier and a high pressure graphite manipulated intumescent composite. This is retained within a polymeric, branded (for product identification), water proof adhesive encapsulant. The product remains dormant unless exposed to fire. The intumescent is capable of completely closing up to a 50 mm air space whilst maintaining 60 minutes fire integrity. Its simple fixing system allows for speedy installation on site.

Dimensions and Colour

Size: 1200 length x 60 mm depth

Colour: Silver, black, red

Fire Testing

- Tested at Exova BM Trada to BS EN 1366-4
- Maximum free air space 50 mm

Maximum Openings

- Maximum overall cavity size 450 mm

Features

- Moisture proof covering, ensures easy installation in awkward situations
- Fully tested at BM TRADA up to 60 minutes integrity
- Lightweight and durable
- Maintenance free
- Requires mechanical fixings

Applications

Rainbar Plus is designed for inclusion within rainscreen cladding systems, the product has a simple spike fixing system and allows for free-flow air movement and the drainage of moisture. The free air flow prevents mould growth and dampness within the cavity. Specifically engineered, angled mounting brackets ensure no pooling water remains on the upper face of the product.

Rainbar Plus is both lightweight and durable and requires no further maintenance. The backing material is non-hygroscopic and all upper and leading edge faces are water resistant. Finish by sealing top edge to substrate with a durable and waterproof tape.

Typical Service Types

For use within rainscreen cladding systems to maintain compartment lines to the exterior of the building envelope as recommended in

Approved Document B.

Installation

For air space up to 25 mm, request Rainbar Plus 60 - 25.

For air space up to 50 mm, request Rainbar Plus 60 - 50.

Maximum overall cavity size: 450 mm.

Reduction of free-flow air space can be accommodated by design specification.

Rainbar spike must extend through the barrier into a minimum of 55% of the ventilated space. Maximum length will be defined by movement capability of outer cladding.

NOTE: The Integrity and Insulation rating of this product is limited to the capability of the surrounding substrates, we do not permit the use of this product against combustible cladding.

Fixings

Fixing centres may not exceed 400 mm.

Joint to joint fixing centres may not exceed 400 mm and may not be less than 100 mm from the joint.

All pieces exceeding 600 mm require a minimum of 3 fixings.

Minimum fixings cut pieces 300 mm - 600 mm = 2 (100 mm from joints). Smaller pieces always require two fixings at equal distance from centre line.

Fixings should be located centrally through the depth of the product +/- 5mm to centre line.

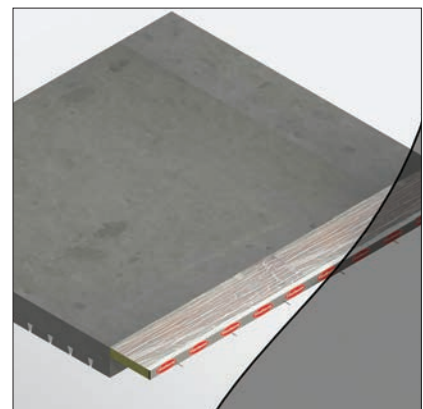
Storage & Shelf Life

Rainbar Plus has a 50 year shelf life when stored in shaded, dry conditions below 50°C.

Typical Details



Ventilated cavity



Ventilated cavity

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This data sheet offers guidance related to fire testing results and does not offer methodology of the installation of the product. Suitability of this product and its usage to substrate type, service type and fire requirement must be confirmed before installation commences. A specific detail relevant to installation must be requested. Firetherm recommend that all fire stopping products should be installed by a third party accredited fire stopping contractor or competent person. Full application details and methodology instructions should be requested before installation of this product commences. Standard terms and conditions apply at all times.

