

Cavity Fire Barriers

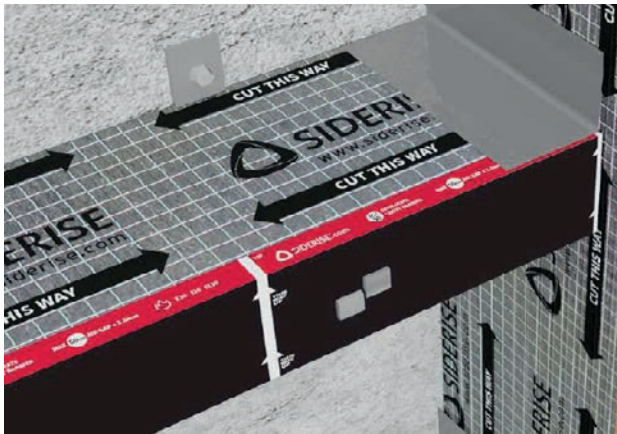
Use of effective fire cavity barriers can enhance the fire safety of a building, particularly when specifying for project builds with multiple levels. Pura supplies market leading products from the leading manufacturers. The wide choice of firebreak systems we supply work by blocking the airflow cavity behind the cladding, allowing effective control of fire by reducing the spread of flame.

SIDERISE®

SIDERISE® Cavity Barriers allow for continuous ventilation and drainage behind the cladding while providing a hot smoke and fire seal. SIDERISE® fire barriers are composed of a non-combustible stone wool lamella core, faced on exposed surfaces with a reinforced aluminium foil. This system includes products for both horizontal and vertical solutions.

The following SIDERISE® products are available:

- SIDERISE® 'Open State' horizontal cavity barriers – RH25 & RH50
- SIDERISE® vertical cavity barriers – RV
- SIDERISE® aluminium jointing tape – RFT-120
- SIDERISE® support brackets – galvanised (G) or stainless-steel (S) options



SIDERISE RH 'Open State'

SIDERISE RH 'Open State' horizontal cavity barriers are specifically used on a ventilated façade. The system will drain any moisture within the façade construction, as well as maintain airflow. The system will provide an effective hot smoke and fire seal in the event of a fire and is available for air gaps of up to 25mm – (425mm cavity width) and 50mm (300mm cavity width).

SIDERISE RV

SIDERISE RV vertical cavity barriers fully seal the void between the external envelope and internal structure. The cavity barrier assists ventilated façades to function by maintaining air-pressurisation. The product's unique stone wool lamella core enables the vertical barriers to accommodate movement associated with rainscreen façades. Intersections between horizontal and vertical cavity barriers are simply abutted.

SIDERISE cavity barriers have been tested at Warrington-Fire and are 3rd Party Certified under EWCL5 (Certificate ME 5101). The barriers are available to suit 30-, 60-, 90- and 120-minute applications and supplied in 1200mm strips.



TENMAT

TENMAT offers Ventilated Fire Barriers suitable for a wide range of cavity sizes and constructions. Modern constructions often require external cladding and façades to be held away from the building structure to allow ventilation and improve building energy efficiency.

This resulting cavity creates a serious fire protection threat to structures and people. The void acts like an open chimney and allows the fire to spread quickly both vertically and horizontally around the building. TENMAT's range of Intumescent Ventilated Fire Barriers or 'Open State' Cavity Fire Barriers are designed to maintain the ventilated cavity in normal conditions but will rapidly expand to seal off the gap in the event of a fire.



Insulation

Once a building is complete, insulation is invisible to the eye. However, getting the specification right from the outset is vital to deliver a safe building that maintains the U-values required. That is why Pura Facades® provides impartial advice and guidance on selecting the right insulation product for your project.

ROCKWOOL

ROCKWOOL's Rainscreen Duo Slab insulation is comprised of two specially designed unique layers, a robust outer and a resilient inner surface. Each surface of the insulation has specific properties which ensure that the building is fully insulated. The robust outer layer will withstand the harsh onsite conditions protecting the inner layer as it works with the substrate. This unique dual layer double density construction lowers the number of fixings required to secure the slab to the substrate; this reduces the costs and the time taken for installation.

Rockwool Duo Slab panels will knit together to form an effective insulation barrier that provides impressive thermal efficiency. Once knitted together the gap free insulation will provide further protection against the elements, improving weather resistance. Furthermore, ROCKWOOL Rainscreen Duo Slab is an environmentally friendly insulation option due to its natural and sustainable mineral wool composition.



Benefits of ROCKWOOL

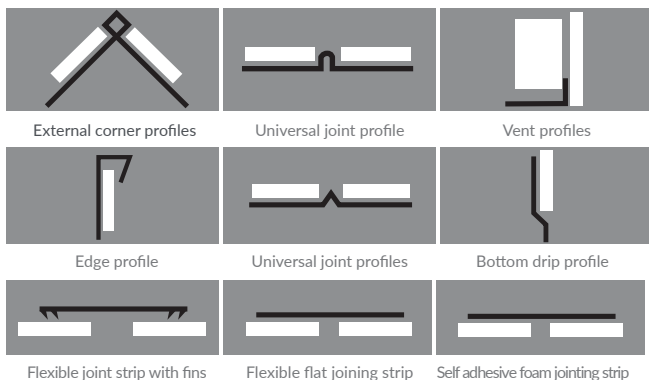
- BBA approved
- Specifically designed for use on high rise buildings
- A1 fire rated
- Improved thermal efficiency and acoustic comfort
- Fewer fixings required to install
- Moisture resistant

Accessories

Pura Facades® offers the widest range of profiles, fixings and adhesives to fit all our brands of exterior cladding panels. Our accessories portfolio can accommodate all panel thicknesses, plus our profiles and fixings can be colour matched to RAL and BS specified colours.

Profiles & Gaskets

Pura Facades® can support profile requirements with ease, ensuring they enhance the façade both technically and visually. We can manufacture made-to-measure colour matched aluminium rain repelling flashings and sills. Gaskets for every application are available at Pura Facades®. These include flexible joint strips with fins, flexible flat jointing strips and self-adhesive foam jointing strips. Speak to a Pura Facades® representative for further technical advice on our varied choice of vent profiles for different applications and cavity depths.



Fixings

Pura Facades® comprehensive range of low-profile panel screws and panel rivets are colour matched to enhance aesthetics and are available in a vast range of sizes to support clients' requirements. Our range can accommodate both visible panel fasteners as well as secret fix panel fasteners.

Range of Fixings

- Large/small head torx screws
- Rivets
- Balcony bolt set
- Substrate fixings
- Self-drill torx screws
- E-jot screws
- Framing screws

Adhesives

As an alternative to visible fixings, adhesive fixing offers a great solution when sleek and uninterrupted lines are a design must. Pura Facades® adhesive systems range offers solutions to bond cladding panels to both timber and metal sub frames.

SikaTack

The SikaTack panel system consists of an adhesive, prefixing tape and surface pre-treatment agents. As a globally recognised name, the adhesive system is suitable for variety of substrates, which include aluminium (including anodized), wood, fibre cement, ceramic materials, glass and plastics.

SikaTack is a moisture-curing single component polyurethane resin-based adhesive, capable of withstanding extreme dynamic and static loads and climatic conditions. Once cured, the adhesive remains permanently elastic to accommodate differing thermal expansion of various building substrates. It eliminates stress fatigue at corners of panels and prevents cold bridging. Check fire regulations; not suitable for buildings over 18m high.

Benefits of SikaTack

- Aesthetically pleasing – no screws or rivets are visible
- Elastic bonding – uniform tension over the whole panel and therefore no deflection of panels
- Extremely cost effective due to fast and economical installation
- Adhesive layer prevents galvanic corrosion
- Increased thermal performance on exterior wall
- BBA accreditation