



# External Wall Insulation Systems



Innovation

Fuelled

# K Systems

Insulated Façades



An External Wall Insulation (EWI) system involves the mechanical and adhesive fixing of insulation to the outside of a property. This layered method insulates the property and helps provide thermal comfort.

At K Systems, we have developed high performing EWI solutions to suit every building and construction type. We also offer the opportunity to transform the outside of a property, with durable, low maintenance finishes, including renders, dash and a selection of brick effects. Our systems are extensively tested and certified to deliver reliable results.

Our wide range will suit any project's needs: New-builds or refurbishments which are low-rise or high-rise construction. These systems are suitable for both mixed-use and residential developments.

Innovation  
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# The Benefits of EWI

## **Saves money on energy bills**

The improved thermal performance of the building means that less heat will escape through the walls, allowing more efficient use of your heating system.

## **Protects the fabric of the building**

EWI systems provide an additional defence from the effects of weather. The building's substrate is protected by a durable system with a minimum design life of 30 years.

## **Improved building appearance**

EWI systems have an extensive range of finishes which elevate the aesthetic appearance of the building, improving kerb appeal whilst providing a low maintenance solution.

## **Reduces condensation**

EWI helps to reduce interstitial and internal condensation which are the main causes of damp to internal walls which can lead to harmful mould growth.

## **Minimum disruption**

EWI is applied to the external fabric of the building meaning that occupants, in many cases, do not have to leave the comfort of their home during the installation of the system.

## **Less noise**

The addition of the insulation and render layers to the external walls can improve the acoustic performance of the property. Some insulation types may provide higher noise reduction than others.

## **Improved EPC rating**

EWI is often installed to improve the Energy Performance Certificate rating of a property, often improving the appeal for future buyers.



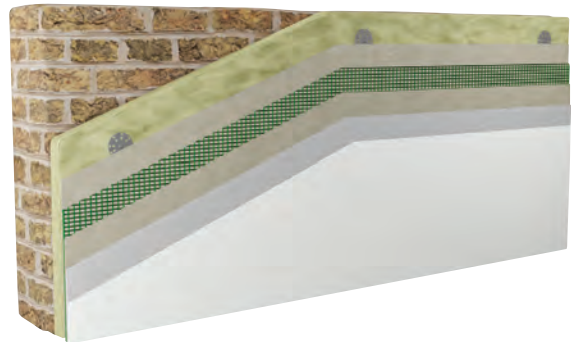
# Our Approved Systems

Our systems offer a range of decorative finishes to meet all the aesthetic requirements of your project. The finishes available are relative to the system you specify for your project. These systems are suitable for both mixed-use and residential developments.

## K Systems **M**

### Mineral Wool External Wall Insulation System

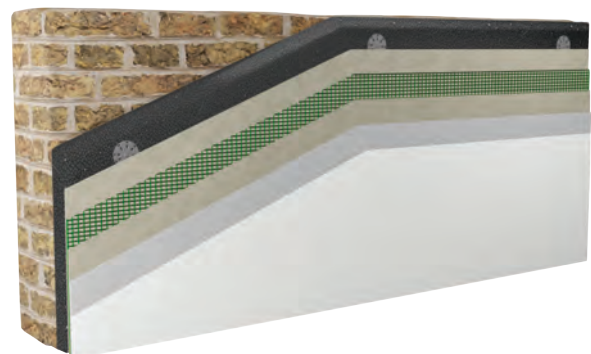
- Fire performance: up to A2-s1, d0
- Certification (Masonry substrate): BBA 20/5744 & 18/5570, NSAI 18/0399
- High-rise credentials: Can be used on buildings of any height (including 18m+ /11m+ in Scotland)
- Excellent acoustic properties
- Mineral wool doesn't use any gases with Ozone Depleting Potential (ODP) or Global Warming Potential (GWP)
- Available in a variety of finishes, each with a range of colours



## K Systems **E**

### Expanded Polystyrene External Wall Insulation System

- Fire performance: B2 -s1, d0
- Certification (Masonry substrate): BBA 20/5744 & 18/5570, NSAI 18/0399
- High rise credentials: Below 18m/below 11m in Scotland
- Low moisture absorption and high resistance to mould growth
- Available in a variety of finishes, each with a range of colours

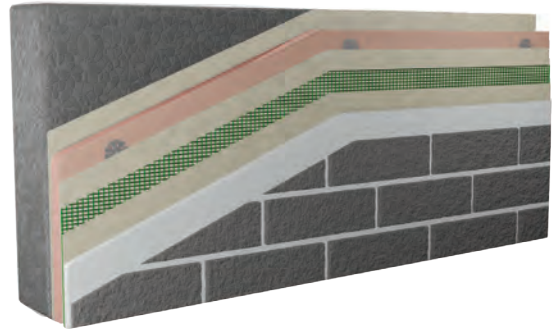


# K Systems **P**

## Phenolic

### External Wall Insulation System

- Fire performance: B2-s1, d0
- Certification (Masonry substrate): BBA 20/55744 & 18/5570, NSAI 18/0399
- High rise credentials: Below 18m/below 11m in Scotland
- Excellent thermal conductivity
- Overall lower construction thickness
- Available in a variety of finishes, each with a range of colours

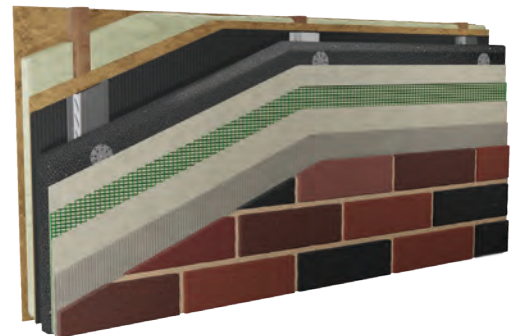


# K Systems **Exicco**

## Drained Cavity

### External Wall Insulation System

- Fire performance: Up to A2-s1, d0
- Certification: BBA 20/5756
- High rise credentials: Can be used on buildings of any height (including 18m+ / 11m+ in Scotland)
- The drained cavity behind the insulation ensures that any interstitial moisture escapes.
- Suitable for Timber and Steel Frame
- Both Mineral Wool and EPS insulation can be used.
- Compatible with offsite/modular builds
- Available in a variety of finishes, each with a range of colours

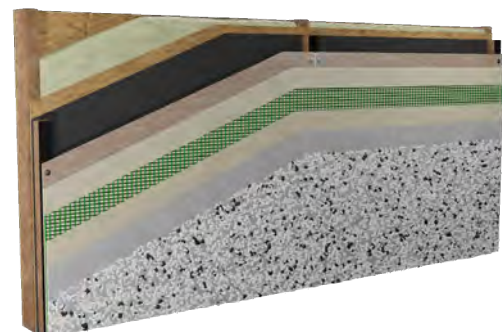


# K Systems **Aricco**

## Drained & Vented Cavity

### External Wall Insulation System

- Fire performance: Up to A2-s1, d0
- Certification: BBA 20/5749
- Suitable for low/mid rise construction
- Compatible with offsite/modular builds
- Suitable for Timber Frame builds, as well as SIPs
- Protects building from exposure to the elements
- Available in a variety of finishes, each with a range of colours



# Render Finishes



**Silicone render** is the easiest system to apply and its hydrophobic properties offer a low maintenance finish. It is the most flexible system on the market, making cracking over its lifetime less likely. The K Systems team can offer you two exceptionally high quality silicone renders for EWI systems – Silicone TC and Silkolitt+.

## Silicone TC

**Silicone TC** incorporates the benefits of silicone technology to provide a water repellent final surface with a fresh and modern appear. The silicone allows water vapour to pass freely through the render whilst allowing the finish to remain weather resistant.

**Silicone TC** contains a biocide to help prevent infection from mould, yeast and algae and also has a low susceptibility to soiling and contamination making it the ideal solution for a low maintenance, long-term finish.

### Technical information

- Suitable for new build and refurbishment projects
- Available in a variety of grain sizes: 0.5mm, 1.0mm, 1.5mm. & 3.0mm
- Available in a wide range of colours
- For use on K Systems M, K Systems E and K Systems P
- Impact Resistance – Category 2

### K Systems M

Mineral Wool  
External Wall Insulation System

### K Systems E

Expanded Polystyrene  
External Wall Insulation System

### K Systems P

Phenolic  
External Wall Insulation System

## Silkolitt+

**Silkolitt+** silicone renders are used as a contemporary finish to new-build applications and the re-modelling of existing facades for both our Aricco and Exicco systems.

Our render finishes are designed to provide excellent vapour permeability which allows the building to breathe. They have been developed to provide long term durability and are highly resistance to cracking, ensuring a long-lasting appearance without time consuming maintenance.

### Technical information

- Suitable for new build and refurbishment projects
- Available in a variety of grain sizes: 1.0mm, 1.5mm, 2.0mm & 3.0mm
- Available in a wide range of colours
- For use on Aricco and Exicco
- Impact Resistance – Category 2

### K Systems Exicco

Drained Cavity  
External Wall Insulation System

### K Systems Aricco

Drained & Vented Cavity  
External Wall Insulation System

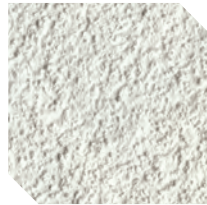


# Our Standard 20 Colours

Bespoke render colours also available  
– talk to our team for details.



Pure White



Limestone White



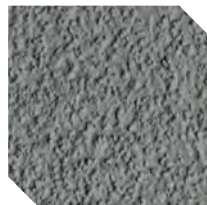
Light Bronze



Corn



Sunflower



Causeway



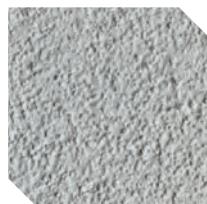
Mint



Antique White



Rosemary



Granite



Mink



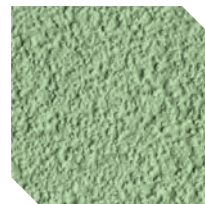
Pearl



Ash White



Wheaten



Pistachio



Biscuit



Linen



Mocha



Sky



Golden

# Brick Style Finishes

Our systems offer a range of decorative finishes to meet all the aesthetic requirements of your project. The finishes available are relative to the system you specify for your project. These systems are suitable for both mixed-use and residential developments.

## VBriQ

Acrylic Brick Slip System



A light-weight, highly durable acrylic brick slip system. **VBriQ** is a more cost-effective finish option in comparison to clay brick systems, whilst retaining excellent impact performance and weather resistance.

**VBriQ** acrylic brick slips are ideally suited to any new build and refurbishment scheme where a brick finish is sought. With over 60 million slips installed globally, acrylic brick slips are increasingly being used to overcome many of the constraints associated with traditional clay brick.

**VBriQ** slips are accredited for use in a range of our (EWI) systems by the BBA – including high-rise applications.

## VBriQ+

Clay Brick Slip System



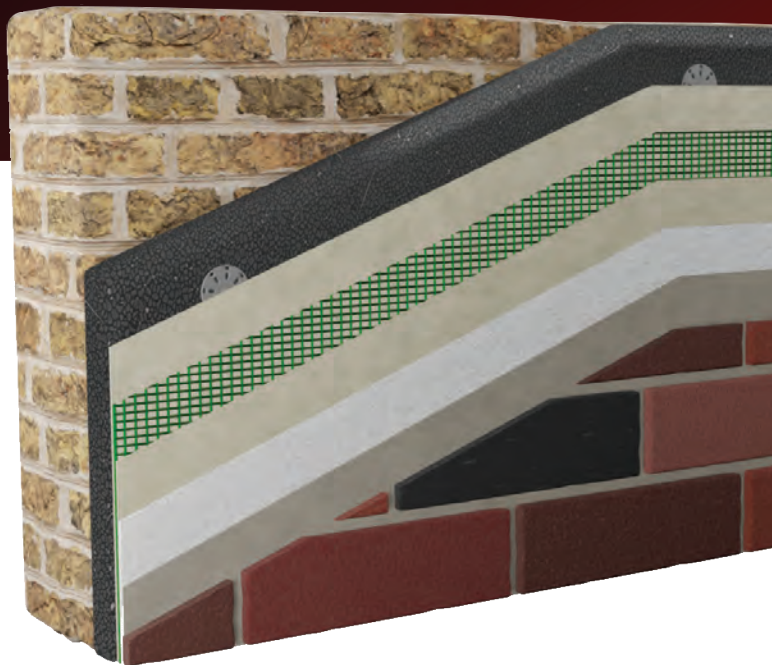
**VBriQ+** is a quick to install and cost-effective clay brick slip system. This finish is significantly lighter in weight but retains the look and feel of traditional clay bricks.

**VBriQ+** offers a range of brick styles and colours to suit a specific project aesthetic or regional character. This finish option offers excellent durability and impact resistance.



# Brick Rend

Formulated Polymer Render



“ The K Systems team’s innate understanding of pairing systems with finishes for optimal performance is second to none and together we delivered a best-in-class refurbishment. ”

**Brick Rend** is a specially formulated polymer render, which simulates the appearance of brickwork. It is suitable for refurbishment projects where new brick work cannot be used. It is normally applied to K System’s base coats (scratch coat) in two different coloured coats, wet on wet. The top coat is then cut through to expose the mortar layer. The mortar joints create a brick effect finish.

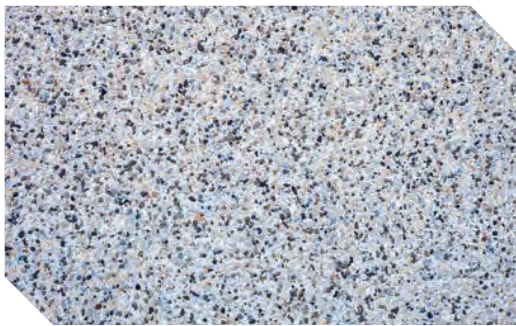
Full elevations can incorporate the product or it can be used for banding, quoins or general features. **Brick Rend** comes in a range of different colours for both brick and mortar render layers.



# Dash Finishes

## Dash

Stone Chip & Render Finish



**Dash** is an extremely durable finish that is used in conjunction with dashing renders to provide a robust, hard-wearing and low maintenance finish to any property.

**Dash** is a contemporary and classic option often specified due to the durable and low maintenance nature of the finish. Dash is used in conjunction with K Systems polymer-modified dashing renders.

## A1 DASH

Also available in our innovative A1 fire resistant **Dash** which protects and enhances architecture without compromise to style, value and lifespan.

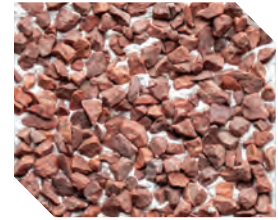
**A1 Dash** comprises of non-combustible components to achieve the highest possible European fire classification to the BS EN 13501-1 standard.



Here are some examples of contemporary dash aggregate colours on our dash receiver.



Dash Receiver: Polar White  
Aggregate: Polar White



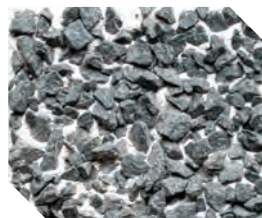
Dash Receiver: White  
Aggregate: Red Granite



Dash Receiver: White  
Aggregate: Calcined Flint



Dash Receiver: Grey  
Aggregate: Sunset



Dash Receiver: White  
Aggregate: Black Basalt



Dash Receiver: Pewter Grey  
Aggregate: Black & White

# Dedicated Support

Our products and systems have been designed and developed to provide you with durable lasting solutions that offer the best value over the building's life cycle. We tailor each project specifications to suit individual needs.

We understand the importance of timely delivery and ensure that the solutions we provide are specific to your proposal. We have significant experience and expertise in writing EWI specifications for both low and high-rise construction offering solutions and service you can trust.

**K Systems** adopts a comprehensive approach to risk management, including :

- Product testing
- Ensuring our products have the relevant accreditations
- Specification protocol
- Site monitoring
- Client warranties

We offer detailed site evaluations, survey reports, cost estimates, project-specific schemes, CAD drawings, U Value calculations, commission wind load reports for high-rise and product samples.

We are available to provide hands-on-guidance for NBS specifications, regulatory advice, safety guidelines and product datasheets.

As well as the product aftercare advice, an advantage of **K Systems** is that we also offer on-site technical and installation support, project-specific warranties, supplementary maintenance schedules and programmes. We will support you through the build process and ensure the highest levels of construction are achieved, consistently.





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