



# MECHSLIP

REAL BRICK. REAL POSSIBILITIES.



**IBSTOCK | KEVINGTON**

an IBSTOCK plc company



ASH & LACY

REAL BRICK WITH THE VERSATILITY OF  
A MECHANICALLY FIXED CLADDING SYSTEM

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Responding to the evolving needs of the construction market, whilst being mindful of the beauty of traditional architecture, MechSlip allows architects and specifiers to use authentic brick with the inspired versatility of a fully mechanically fixed cladding system.

Offering a wider spectrum of design options than purpose-made extruded brick slip, this genuine brick innovation combines a palette of over 300 Ibstock brick finishes with the sheer adaptability and cost efficiency of one of the UK's most flexible and robust cladding support systems.

We strongly believe in our claim that MechSlip provides a real brick cladding solution that delivers a superior brick finish, without compromise. Thanks to the unique form of MechSlip bricks, architects and specifiers are able to use genuine brick to maintain the integrity of their design, while the efficiency and versatility of the Axial mechanical fixed system opens up a whole raft of options for integration with modern methods of construction.



*Brick : Himley Ebony Black*



*Brick : Priory Weathered Red*



*Brick : Bradgate Multi Cream*

- Lightweight brick cladding system
- Fully mechanically secured brick slips
- Non-combustible system components
- Versatile brick detailing options
- Non-weather dependant installation

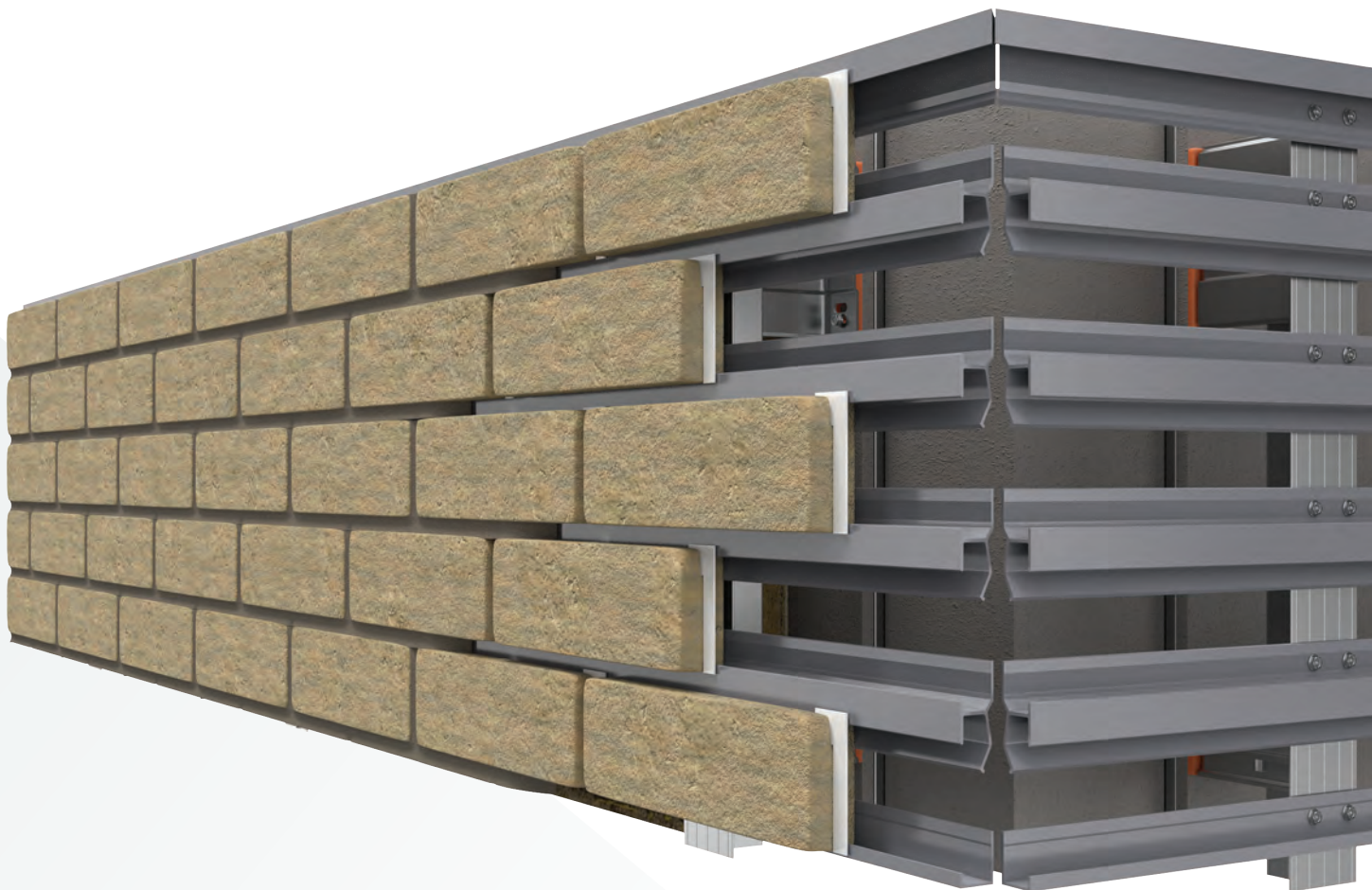


*Mechanical fixing detail*

A lightweight, mechanically fixed cladding system that takes full advantage of the aesthetic appeal and durable nature of real brick, MechSlip delivers cost savings for projects where traditional methods of construction are more difficult to facilitate.

Featuring 28mm thick lbstock brick slips, and anodised 6063T6 grade aluminium support rails, the MechSlip system is available in an extensive range of colours, textures and brick sizes.

MechSlip delivers all of the advantages associated with rainscreen cladding, including reduced installation times and associated costs. The new system delivers a truly stunning real brick finish and guarantees long term durability.



## KEY BENEFITS

### DURABLE

Delivers the colour-fast stability and natural weathering behaviour of a traditional clay brick finish.

### ADAPTABLE

Can be easily incorporated into offsite modular construction methods.

### FASTER

Easy to install, minimising time on site and the associated labour costs.

### PREDICTABLE

Makes programming easier by eliminating the uncertainties associated with weather dependent processes.

### LIGHTER

Over fifty percent lighter than traditional masonry, reducing structural load.

### SIMPLER

Ideal for installation using aerial work platforms, minimising the need for scaffolding.



## MORE THAN JUST A PERFECT FINISH

MechSlip delivers the aesthetic appeal of real clay brick, but with the financial saving, structural load saving and installation time saving of a lightweight mechanically fixed system. It also exceeds the rigorous testing standards developed by the Centre for Window and Cladding Technology (CWCT).

MechSlip eliminates the weather dependency of traditional building methods without compromising on the choice of brick finish.

300+ brick finishes

Fully mechanically secured brick slips

Pre-spaced mortar joints

Tough and lightweight 6063T6 grade aluminium

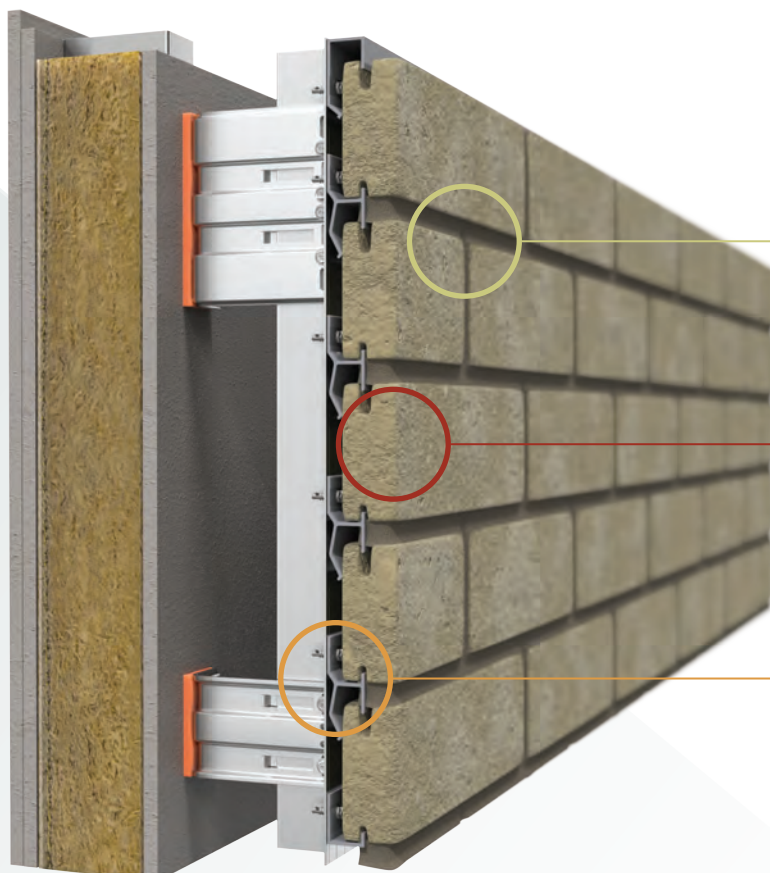
Non combustible components

Aluminium or stainless steel support systems

Ventilated construction

Compatible with numerous substrates

## KEY FEATURES



Pre-spaced 10mm horizontal brick joints

28mm natural clay brick slips

Fully mechanically secured brick slips

## BRICK SYSTEM COMPONENTS

Soldier bricks



Corner bricks



Stretcher and Header bricks





All the benefits of MechSlip are delivered through dedicated components, a starter, middle and top rail, all extruded using tough, lightweight 6063T6 grade aluminium and anodised for increased durability, plus natural clay facing and corner brick tiles. Together, these can be fixed seamlessly to Ash & Lacy's innovative range of AxiAL rainscreen support systems, making the entire design and installation process simple, from concept to completion.

## SIMPLE COMPONENTS OFFER COMPLETE CONTROL

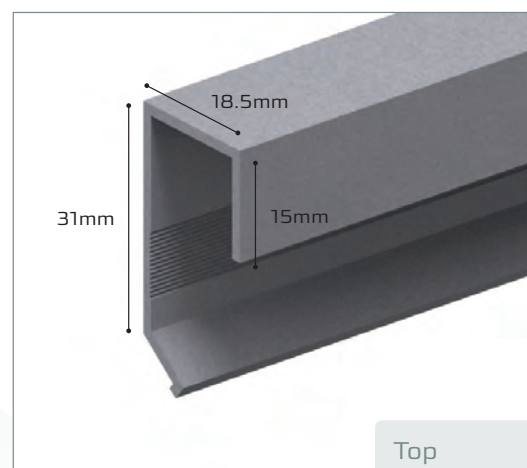
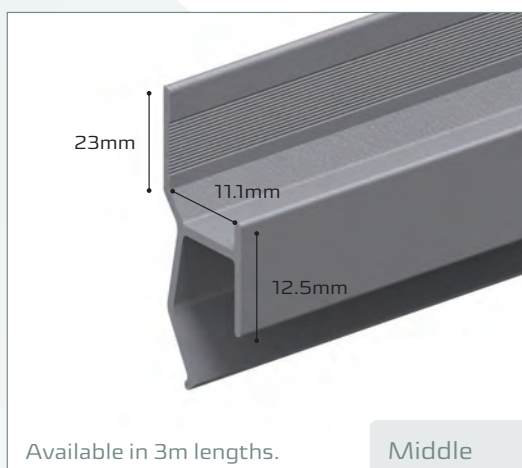
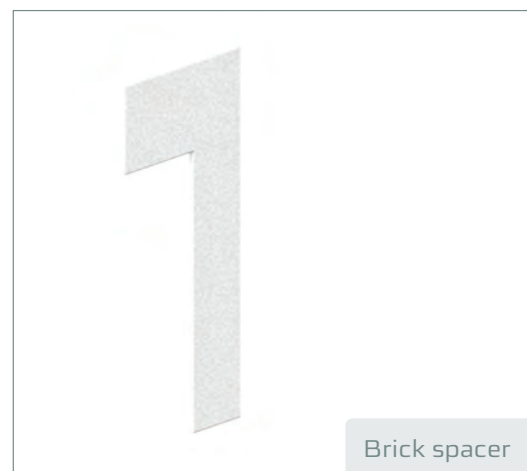
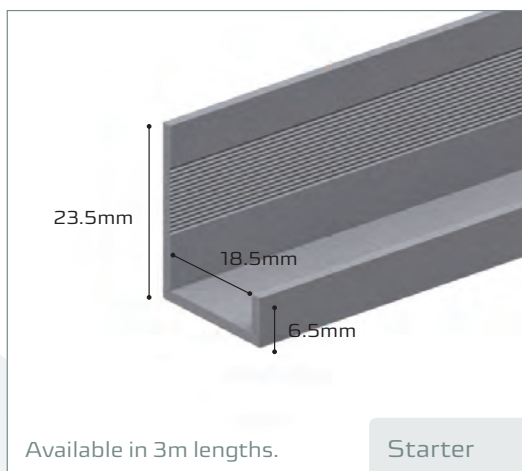
Simple system components

Easy install vertical spacers

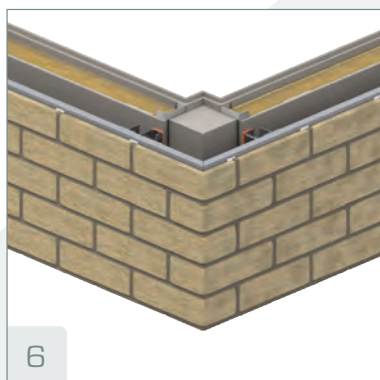
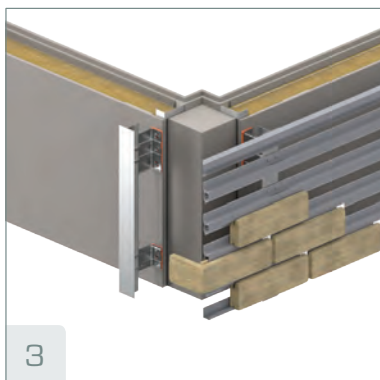
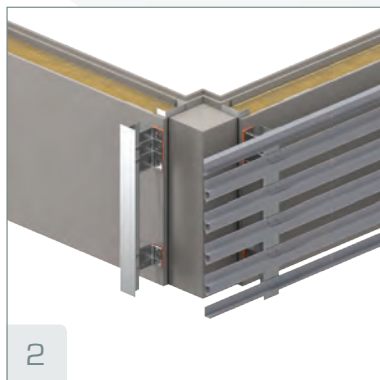
Mechanical security

Precisely engineered brick slips

## MECHANICAL SYSTEM COMPONENTS



## INSTALLATION GUIDE



Working with MechSlip delivers advantages from day one, starting with a lightweight construction that reduces the demand on foundations and associated construction costs. The system is fully compatible with an extensive range of building substrates too, making it ideal for enhancing concrete, steel frame, masonry and insulated panels. Installation is also fast and simple, providing time and cost saving advantages over traditional brickwork, whilst realising its undeniable aesthetic appeal.

#### STEP 1.

Mechanically fix brackets and vertical support rails to the building substructure at 600mm maximum centres.

#### STEP 2.

Horizontally affix middle rails to the vertical supports at 75mm increments, including a starter and top rail in their respective locations. Use the gauge tool to fix multiple rail courses simultaneously.

#### STEP 3.

Slip MechSlip brick tiles firmly into place between rails, guided by the preformed upper and lower retainers.

## SIX SIMPLE STEPS FOR EASY INSTALLATION

Simple to install

Quick

Versatile

Predictable

#### STEP 4.

Repeat the process for the remaining bricks, ensuring that there is a metal brick spacer installed in the vertical joints between individual bricks.

#### STEP 5.

The brick spacer will automatically create a 10mm wide vertical (perp) joint between bricks, a 10mm horizontal (bed) is created by the upstand of the rail profile.

#### STEP 6.

When installation is complete, simply injection point these joints with Parex Historic mortar to realise the authentic and aesthetic appeal of a classic clay brick finish.



## BRICK TYPES

### Handmade and Stock

Commonly has soft edges.

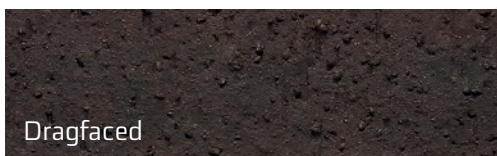


### Wirecut

Precise edges are formed within the manufacturing process although a softer edge can be achieved by rumbling.



## BRICK FINISHES



## A WEALTH OF DESIGN POSSIBILITIES

With over 300 real brick colours, textures and finishes to choose from, MechSlip opens up a world of creative opportunities.

To request the full range of Ibstock brick finishes available for the MechSlip system, contact your local Ibstock or Ash & Lacy representative today.

300+ bricks available

Stock

Handmade

Wirecut

Linear

Glazed



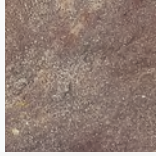
Brick : Cheddar Red



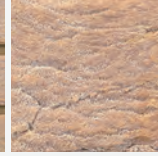
## POPULAR BRICKS



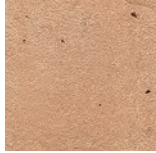
*Ivanhoe Cream*



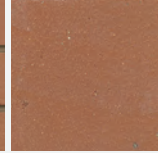
*Bradgate Multi Cream*



*Leicester Multi Yellow*



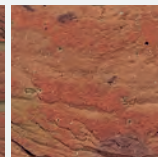
*Cheddar Red*



*Ivanhoe Cottage Blend*



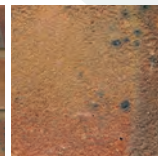
*Ivanhoe Katrina Multi*



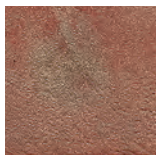
*Cissbury Red Multi*



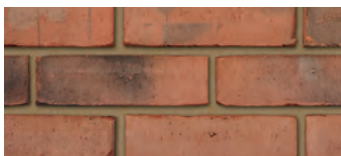
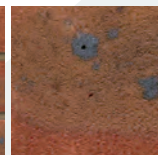
*Leicester Autumn Multi*



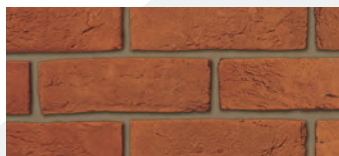
*Capital Multi Stock*



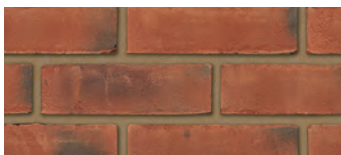
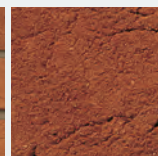
*Weston Red Multi*



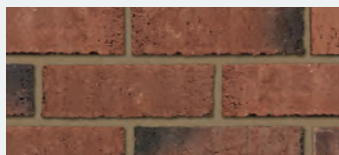
*Arden Weathered Red*



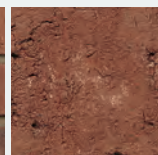
*Swanage Handmade Light Red*



*Leicester Weathered Red*



*Priory Weathered Red*





## POPULAR BRICKS



*Leicester Weathered Grey Stock*



*Bradgate Medium Grey*



*Leicester Grey Stock*



*Staffordshire Slate Blue Smooth*



*Himley Ebony Black*

### Sizes

65mm

73mm

### Types

More than  
300 types available



*Brick : Leicester Red Stock*

## GLAZED BRICKS



*Yellow Glazed*



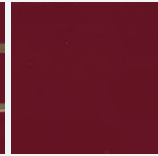
*Blue Glazed*



*Green Glazed*



*Burgundy Glazed*



### Sizes

65mm

73mm

### Types

Colour can be matched to client's specifications.



*Brick : Green Glazed*

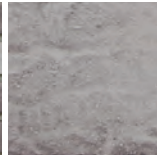
## LINEAR BRICKS



*Linear Black*



*Linear Silver Grey*



### Length

290mm

327mm

440mm

### Types

40 types available



*Brick : Linear Silver Grey*





## SUMMARY OF THIRD PARTY TESTING

### Introduction

The MechSlip system was independently tested by Vinci Technology Centre in Bedfordshire, for wind resistance, water tightness and impact resistance. Lucideon tested the weatherability of the system.

### Materials

Fired clay brick slips supported by anodised aluminium rails affixed to steel

### Test Programme

The test programme was carried out with results as follows:

### Wind Resistance - serviceability & safety

CWCT testing achieved  $\pm 2400$  Pascals serviceability,  $\pm 3600$  Pascals safety. PASS

### Water Tightness - dynamic pressure

CWCT testing achieved 600 Pascals – PASS

### Impact Resistance

Soft and hard body impact tests – CWCT testing achieved Class 1 serviceability, negligible risk safety. PASS.

### Weatherability Tests

Hygrothermal testing to ETAG 034. PASS

### Freeze/Thaw Resistance

Freeze Thaw testing in accordance with ETAG 017. Additional freeze/thaw resistance test is carried out in accordance with the European method DD CEN/TS EN772-22, which involves subjecting a panel of brickwork to repeated freeze/thaw cycles designed to simulate naturally occurring conditions. From the results, the bricks were classified as F2 i.e. suitable for use in conditions of severe exposure, in accordance with BS EN771-1, Specification for Clay Masonry Units.

TECHNOLOGY  
CENTRE

LUCIDEON

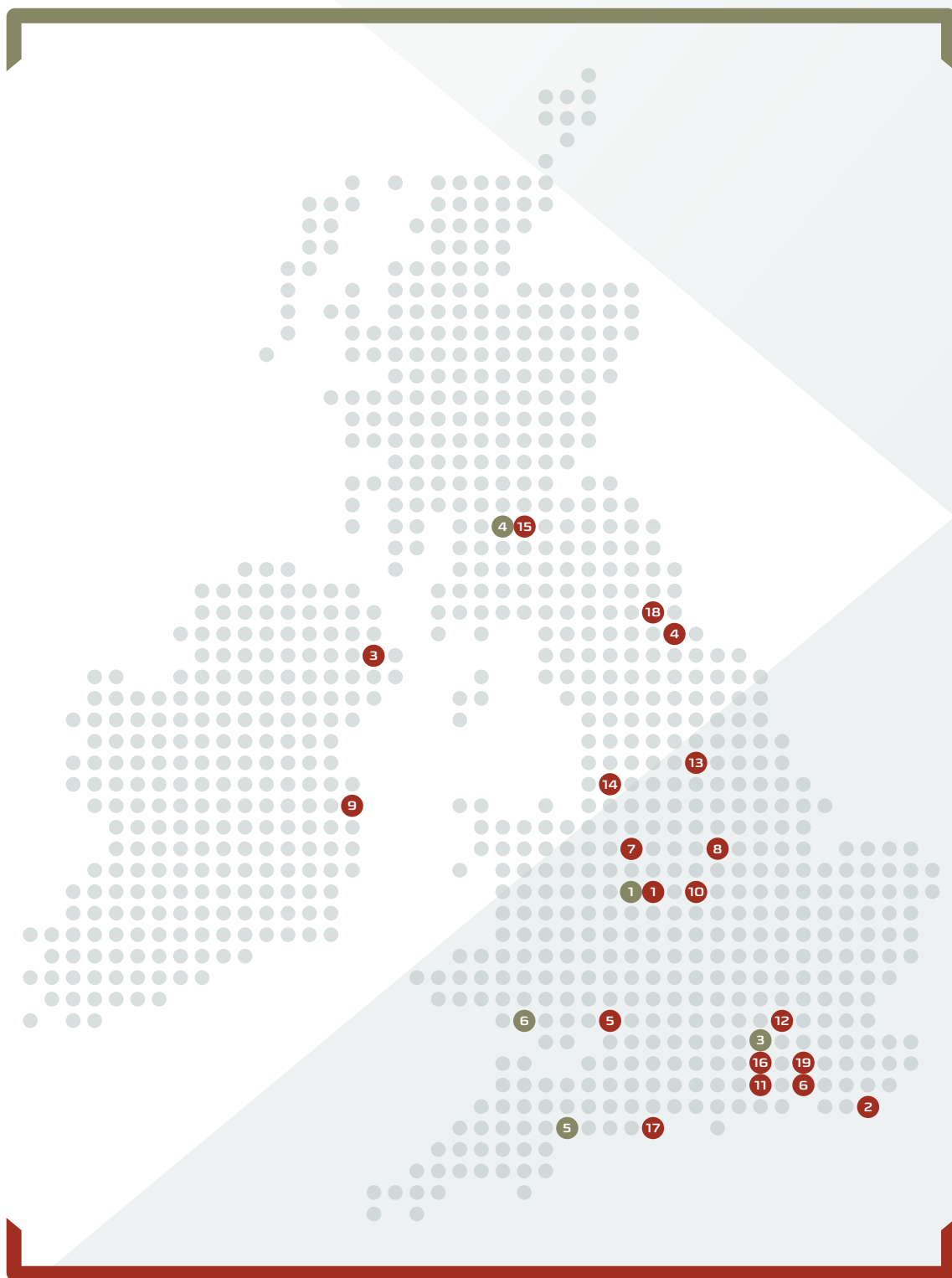
The Istock Design Advisory Service provides an easily accessible resource to help create design solutions for architects, designers, specifiers and contractors designing and building with our clay cladding products.

Design and Technical Helpline  
**0844 800 4576**

Our network of Design Advisors are architectural professionals with experience in practice, and will be delighted to help you create effective and innovative solutions for all types of building projects. Each Design Advisor has access to advanced CAD and BIM technology enabling designs to be viewed in a range of formats, producing a range of options for the designer to consider.



*Brick : Tradesman Heather / Audley Red Mixture / Staffordshire Slate Blue Smooth*





All MechSlip system components are manufactured in the UK in accordance with ISO9001 and ISO 14001 standards, with bricks sourced from 19 Ibstock Brick factories.

With over 20 office locations Nationwide, we have local representatives available to assist with any technical support, design advice and installation training requirements, wherever your project is based.

UK Manufactured

26 locations nationwide

Network of recommended installers

Nationwide Technical Support

Installation Training

## Locations

- |               |                         |
|---------------|-------------------------|
| 1 Aldridge    | 10 Leicester (HO)       |
| 2 Ashdown     | 1 Lodge Lane            |
| 1 Atlas       | 12 London               |
| 3 Belfast     | 13 Nostell              |
| 4 Birtley     | 7 Parkhouse             |
| 5 Cattybrook  | 14 Ravenhead            |
| 6 Chailey     | 15 Mossend, Lanarkshire |
| 7 Chesterton  | 16 South Holmwood       |
| 8 Dorket Head | 17 Swanage              |
| 9 Dublin      | 18 Throckley            |
| 10 Ellistown  | 19 West Hoathly         |
| 11 Laybrook   |                         |

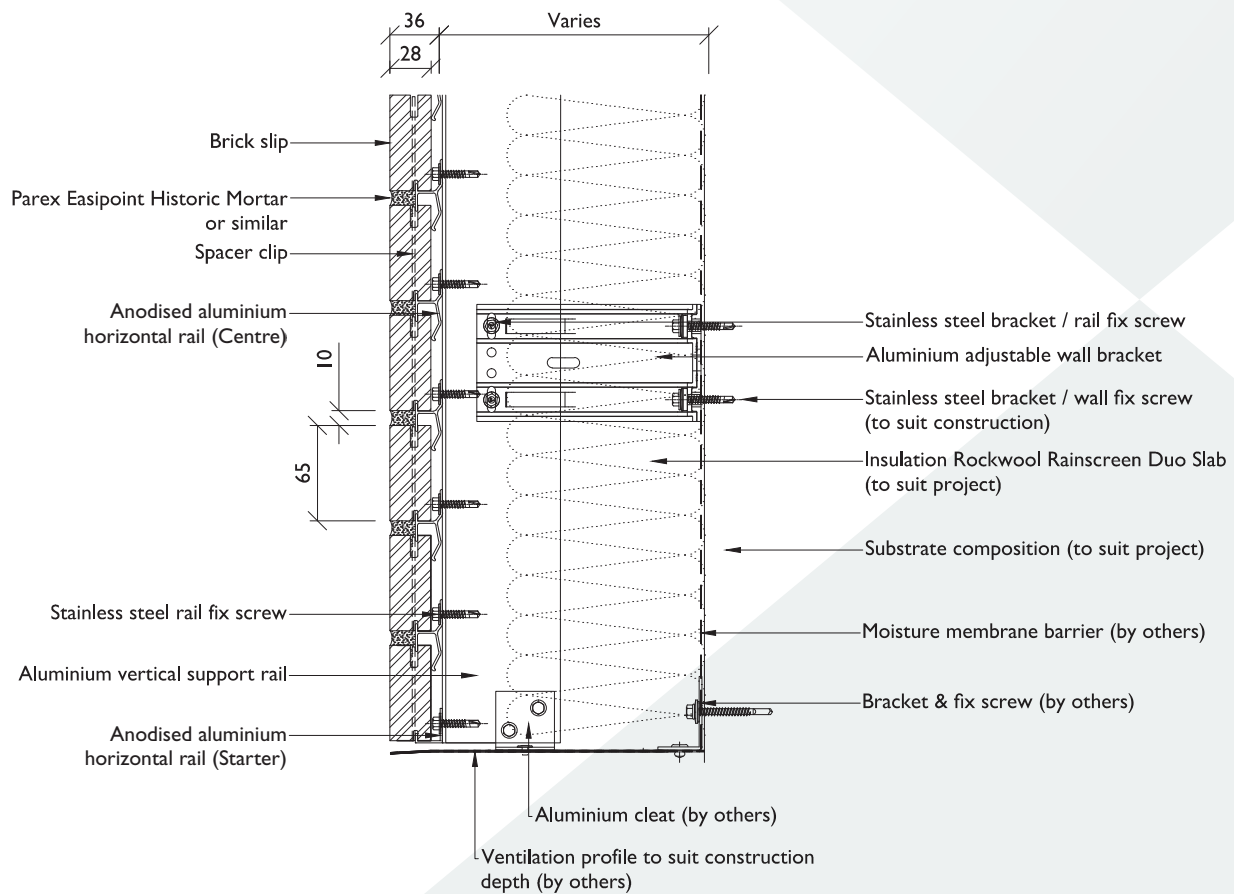
## Ash and Lacy Locations

- |                      |               |
|----------------------|---------------|
| 1 West Bromwich (HO) | 4 Glasgow     |
| 1 Smethwick          | 5 Devon       |
| 3 Surrey             | 6 Port Talbot |

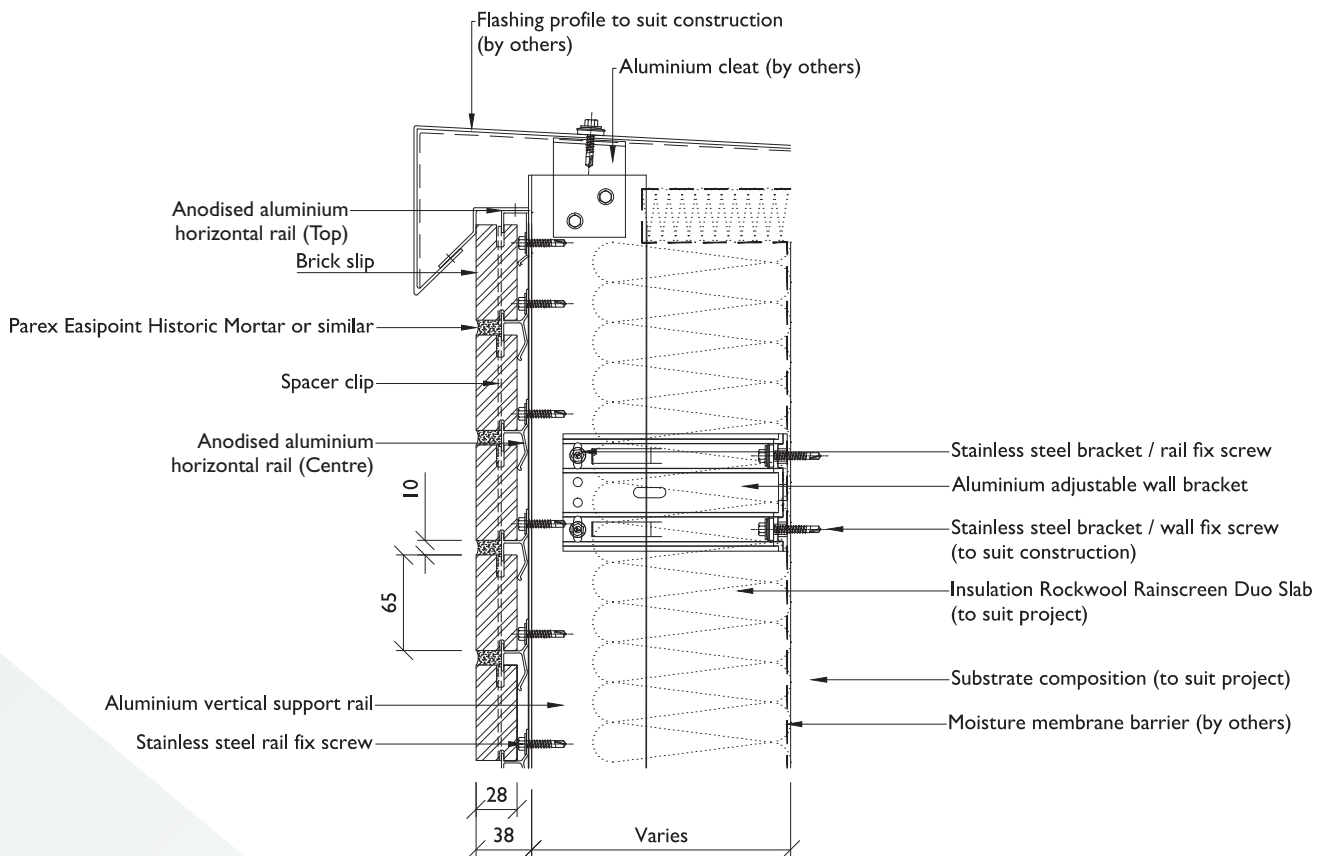


Brick : Ivanhoe Cream

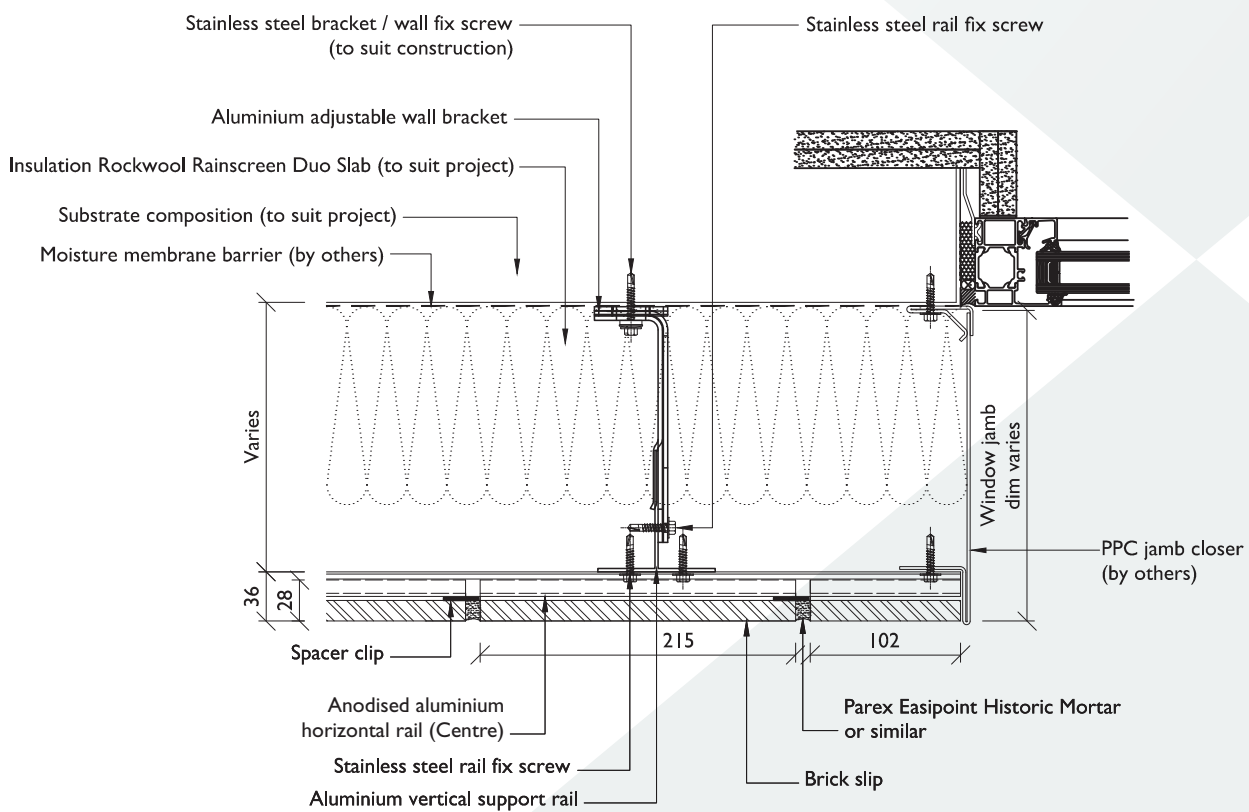
## BASE DETAIL



## PARAPET DETAIL



## WINDOW JAMB















MechSlip  
TRANSFORM YOUR PROJECT

Exclusively designed, manufactured and available in the UK, MechSlip offers architects and specifiers more creative possibilities than ever before. Contact us to find out how MechSlip can transform your next project.

0844 800 4576

Email : [sales@mechslip.co.uk](mailto:sales@mechslip.co.uk)

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MechSlip is a pioneering product which will inevitably evolve and change over time. The contents of this brochure express current thinking (JULY 2018) and are correct at the time of going to print. Our sales team will advise you of the processes, procedures and terms and conditions of the sales contract in force at the time of purchase.



*Brick : Green Glazed / Staffordshire Blue*