The Corium™ Cladding System
Corium™, a true innovation.

What is Corium™?

Corium is a unique brick cladding system that combines the natural beauty of genuine brick with cost-effective fast-track installation. It offers a facing brick finish for projects where a cladding system is required rather than traditional masonry.

The revolutionary Corium system comprises genuine brick tiles, specially designed to fix mechanically to a HPS200 galvanised steel backing section. These profiled sections are mounted in rows onto the backing structure and the brick tiles are clipped into place.

This mechanical ‘clipping’ feature is unique to Corium and ensures a high strength façade whilst enabling some adjustment of tile position during installation.

An innovative and versatile solution, Corium brings exciting new colour and texture combinations to the construction industry.

Patented in the UK and worldwide; and fully industry tested and approved, you can be assured of a strong, quality finish to your building project that will last many years.

Corium™ has UK and worldwide technical and patent approvals. GB Patent number 2331770
The Benefits of Using Corium™

Strong and Durable: Corium is strong, with a HPS200 galvanised steel or Grade 304 stainless steel backing section (stainless steel below the DPC), and using frost resistant brick tiles, the system has an anticipated design life of 60 years in most applications.

Fast and Simple: Building with Corium can be up to three times faster than with traditional brickwork, and is quick and easy to install.

Versatile and Aesthetic: Available in bespoke colours and textures, Corium is designed to blend with or complement any new build or refurbishment project.

With a variety of sizes and a range of specials, Corium enables bespoke bonding patterns without compromising performance or build time.

Corium may be mounted at any angle to achieve more dynamic finishes, or even overhead to create soffits and ceilings. Mosaic and decorative patterns are easily achieved, adding an extra dimension to any project.

Cost Effective and Assured: Corium is suitable for use with a wide range of sub-structures, including concrete, timber-frame, structural steel, lightweight steel frames and masonry. Corium-clad buildings may also benefit from simpler, lower cost foundations.

BRE certified and industry tested, Corium is provided as a supply and fix solution through Approved Installers who quality check each installation before and after pointing to ensure customer satisfaction.

Designing with Corium™ can help to significantly reduce construction time

Key Features

- Unique, innovative system
- Real brick aesthetics
- Saves time and money
- Flexible, functional and imaginative
- Limitless colour range
- Extensive texture range
- Industry tested and BRE certified

Certificate 082/01

BRE Certificate 082/01 covers Corium’s performance, airtightness and weather resistance along with thermal, acoustic, fire and impact resistance characteristics. Please contact us for your copy.
Use and Installation

Corium is installed by a nationwide network of Approved Installers who can fix Corium from mobile platforms, scissor lifts, mast climbers or traditional scaffolding.

Corium is also available as part of pre-fabricated solutions where manufacture under quality controlled, factory conditions allows construction without delays due to adverse weather, reduced materials wastage and dramatically reduced site construction time. These panels are either lightweight steel frame or unitised aluminium systems and are available for larger scale projects where overall project cost savings can be realised.

Suitability: Corium is suitable for use with a wide variety of sub-structures including concrete, timber-frame, structural steel, lightweight steel frames and masonry. See pages 24-27 for technical information.

Installation: On a suitable structure, with vertical support at 600mm max centres, the Corium installer fixes the support rails, clips in the tiles and finishes the joints with pumped mortar.

Strength: Rows of profiled steel sections are fixed to the backing structure. Sections are designed to interlock vertically.

Speed: Corium brick-tiles are simply clipped into place. The clipping process ensures that consistent horizontal joints are achieved, whilst vertical joint spacing can be adjusted to suit design requirements.

Simplicity: Once all brick-tiles are installed and the quality approved, mortar is applied. The mortar is typically 1:1:6, cement:lime:sand mix applied using a pump system. Pre-bagged Easipoint Historic KL mortar is preferred as it has been developed specifically for the system and suits the characteristics of the tiles. The preferred joint profile is bucket-handle.

Design and Technical Support: We offer a comprehensive CAD backed design advisory service to help ensure your vision becomes reality.

The Corium team offer detailed technical, product and design advice on the use of the system and its applications, and are always pleased to observe and comment on the Project Design Team’s proposals.

For further information on our approved list of mortar suppliers please contact us.

The installation process for Corium™ eliminates the need for bricklayers on site.
The finishing touch.

The Easipoint Historic KL Range

The Easipoint range of advanced high specification mortars is especially formulated for Corium.

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Color Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA255</td>
<td>Light Grey</td>
</tr>
<tr>
<td>EA250</td>
<td>Sandstone</td>
</tr>
<tr>
<td>EA262</td>
<td>Bathstone</td>
</tr>
<tr>
<td>EA264</td>
<td>Light Brown</td>
</tr>
<tr>
<td>EA265</td>
<td>Mid Brown</td>
</tr>
<tr>
<td>EA266</td>
<td>Mid Grey</td>
</tr>
<tr>
<td>EA257</td>
<td>Dark Grey</td>
</tr>
<tr>
<td>EA254</td>
<td>Dark Brown</td>
</tr>
<tr>
<td>EA263</td>
<td>Brick Red</td>
</tr>
<tr>
<td>EA267</td>
<td>Dark Red</td>
</tr>
</tbody>
</table>

Special Shapes: We offer an extensive range of special shapes to add the perfect finish to your walls, and are pleased to develop purpose-made return units if required.

Arches: Flat arches are well within the scope of Corium. Our support team are happy to discuss your specific requirements.

Blue Arch Set (also available in Red)

Corium™ has UK and worldwide technical and patent approvals
Corium™ Quality and creativity.

High Road, Ilford
Client: Galliard Homes
Designer: Galliard Homes
Contractor: Galliard Construction

The versatility and speed of installation of Corium was ideal for this scheme where curved areas were created.
Finborough Road, London

Client: St James Group Ltd for Notting Hill Housing Trust
Designer: Charter Consultant Architects
Contractor: Gilmac Building Services

Corium was specified by the engineer for this timber framed project, for its lightweight and ability to move with the shrinking timber frame. Movement Joints are provided at every floor.
Echo Central, Leeds

Client: Rushbond Group/Barratt and David Wilson Homes Yorkshire West
Designer: DLA Architecture
Contractor: GB Building Solutions

The façades of these buildings were designed to create a high impact in Leeds city centre. The architect required 4 different RAL colours on each of these 2 high-rise developments. The Corium tiles were glazed to match the RAL colours selected.
Corium™ Quality and creativity.

**Blink Point, Park Street, London**

**Designer:** Greig & Stephenson/Amos Partnership  
**Contractor:** Haymills

**Corium** Smooth Buff and Blue tiles were used on this prestigious development close to the River Thames in Southwark. The key feature on this project was the use of special shaped tiles for the window reveals and soffits.
Burdett Road, London

Client: London Green Developments
Designer: Carey Jones
Contractor: London Green Developments

Corium’s ability to match existing brickwork combined with its lightweight and speed of installation was ideal for this project in E14.
Corium™ Quality and creativity.

Great Western Quarter, Brentford
Client: Barratt Homes
Designer: Assael Architecture
Contractor: Barratt Homes

Corium’s ability to simulate stone masonry using large format tiles, combined with Smooth Blue standard format tiles has created these clean and impressive elevations. A thin and high performance solution was required for this project.
Collegelands Student Accommodation, Glasgow

Client: The UNITE Group Plc
Designer: Manson Architect
Contractor: Watkin Jones

Speed of construction was essential for this high rise student accommodation in central Glasgow. Over 5000m² of Corium was installed entirely from scissor lifts over 6 months, mainly throughout the harsh winter months with temperatures consistently remaining below freezing. The strict design and planning stipulations led to the use of over 80,000 corners to achieve a traditional double pillar detail that replicated existing buildings, which allowed Corium to achieve a traditional brick façade with a modern, fast track form of construction. The through wall construction was made up of SIPS panels and the Corium steel profiles were fixed to vertical top hat sections.
Performing Arts Centre, Sutton, Surrey

Client: Glenthorne High School
Designer: Scott Wilson Architects
Contractor: Hilife Construction Co. Ltd

The form of the building evolved to incorporate pitched external walls that would have been too complex to build in traditional masonry. Corium was chosen as the project very much depended on the flexibility, installation sequence and robustness of the cladding material. Corium could be installed at any of the angles required and even on the underside of the cantilevered main entrance.
Corium is a very exciting and proven product which is capable of further enhancement. The tile production method is flexible allowing a wide variety of sizes, tile texturing, bespoke colouring and bonding patterns. Complimentary cladding materials can be incorporated and are presently being developed.

Panels are able to be pre-fabricated by specialists off site, ready for speedy assembly on site, saving time and money.

Innovative ideas are always welcomed by the Corium team. Please contact us if you have a specific project concept in mind.
Technical Information.

Supply and Fix

Corium Approved Installers provide nationwide coverage. On a suitable structure which has support at a maximum of 600mm centres, the Corium installer will fix the support rails, clip in the tiles and finish the joints with a pumped mortar. Prices are based on the initial budget estimate, which would be confirmed by our installer with the main contractor before the start on site. Although the budget estimate is often co-ordinated by Corium, the final contract negotiations would take place between the main contractor and the installer to simplify the procurement process.

Corium is suitable for use with a wide variety of sub-structures including concrete, timber-frame, structural steel, lightweight steel frames and masonry. Extensive research has been undertaken to establish a range of stainless steel fixings suitable for different sub-structures. The exact type of fixing will be specified by the Corium Approved Installer on receipt of individual project information. Contact details for Approved Installers are available on our website or from our support team.

NB: Corium tiles and rails are manufactured to the highest standards as detailed in the BRE Certificate and the Approved Installers Information Pack - held by all Approved Installers. Design and installation matters are handled by the project design team with the assistance of the main contractor and installers. Therefore, the following typical Corium drawings are for information only and should not be used directly for any specific project.

Steel Frame Foundation Section
Technical Information.

Steel Frame Vertical Movement Joint Plan

- CORIUM CLIP
- CORIUM TILE
- COMPRIBAND VSA TYPE FILLER / SEALER OR FLEXIBLE FILLER WITH MASTIC SEALANT
- METAL PLATE TO SUPPORT FILLER FIXED TO CLIP ON ONE SIDE OF JOINT ONLY
- CAVITY FORMED USING PREFORMED ALUMINIUM ‘Z’ SECTION
- VAPOUR BARRIER
- INSULATION
- INSULATED STEEL FRAME

Timber Frame Horizontal Movement Joint Section

- BREATHER MEMBRANE
- INSULATION
- CORIUM RAIL MODIFIED TO ALLOW GAP FOR MOVEMENT
- MASTIC SEALANT WITH AEROFIL OR SIMILAR FILLER
- CAVITY FORMED USING 50 x 15mm TIMBER BAT TEN
- VAPOUR BARRIER
- INTERNAL FINISH
Technical Information.

Steel Frame Window Section - Trimmed Reveal

- CAVITY FORMED USING 50 x 15mm GALVANISED STEEL "TOP HAT" SECTION
- SOLDIER UNIT CM.3 (OR 3 COURSES OF STANDARD TILE)
- CORIUM LINTEL TRIM
- METAL REVEAL TRIM
- Varies
- BREATHER MEMBRANE FIXED TO UNDERSIDE OF WINDOW FRAME
- RIGID INSULATION BOARD WITH TAPED JOINTS (PROVIDES VAPOUR BARRIER)
- CORIUM CLIP
- CORIUM TILE
- PLASTERBOARD
- INSULATED STEEL FRAME

Steel Frame Window Plan - Tiled Reveal

- CAVITY FORMED USING ALUMINIUM OR GALVANISED STEEL "Z" OR "TOP HAT" SECTION
- CUT CM.1 EXTERNAL RETURN (SUPPLIED 102MM AS STANDARD)
- CORIUM CLIP
- CORIUM TILE
- INSULATION
- Varies
- CAVITY FORMED USING ALUMINIUM OR GALVANISED STEEL "Z" OR "TOP HAT" SECTION
- PLASTERBOARD
- VAPOUR BARRIER
- INSULATING DPC
- INSULATED STEEL FRAME
Limitless possibilities.

Plain Colours

Note:
1. Please use the reference numbers for initial sample selection.
2. To ensure excellent size consistency and a secure fit onto the rails, **Corium** tiles are produced with a red body. Extremely durable colours or glazes are fixed into the surface during firing at over 1000°C.
Limitless possibilities.

**Red Multis**

1. Please use the reference numbers for initial sample selection.
2. To ensure excellent size consistency and a secure fit onto the rails, **Corium** tiles are produced with a red body. Extremely durable colours or glazes are fixed into the surface during firing at over 1000ºC.
Limitless possibilities.

**Buff and Yellow Multis**

- 25100
- 270
- 28000
- 73210
- 73215
- 93180
- 93190
- 93315
- 93925
- 93930

**Brown Multis**

- 25200
- 270
- 28000
- 63300
- 35500
- 35900
- 35930
- 73310
- 94110
- 94130

**Blue & Grey Multis**

- 25100
- 270
- 28000
- 73100
- 73110
- 73130
- 73310
- 73315
- 73318
- 73320

**Note:**
1. Please use the reference numbers for initial sample selection.
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Limitless possibilities.

**Special Blends**

Granville Dark Hand Blended

Granville Light Hand Blended

**Non-Standard Size Examples**

Note: 1. Please use the reference numbers for initial sample selection.
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Glazed Tile Options

We can offer a huge range of both matt and gloss glazed finishes. Please indicate the RAL Number when considering sample requests.

Large Format

The recent development and introduction of large format Corium tiles provides an attractive alternative to a brick façade.

Sizes up to 327 x 215mm can be manufactured for mortared applications and are available to order.