Brick. Evolved.
CORIUM from PGH Bricks & Pavers is a breakthrough brick look, ventilated rainscreen façade system that combines the natural beauty of real brick, with cost effective, fast track installation of ‘system’ based cladding. It offers a genuine brick finish for projects where a lightweight cladding system is required rather than traditional brickwork.

CORIUM brick tiles can be mounted at any angle to achieve truly dynamic finishes – even overhead for soffits and ceilings. Decorative and textural patterns, as well as mosaic, are easily created to add that extra dimension to project design.
The only limit to what can be created is your imagination.
CORIUM.
LIMITLESS POSSIBILITIES
DESIGN FLEXIBILITY

Bespoke colour and texture matching capabilities, from traditional brick finishes to precision look glazed options.

CORIUM allows for innovative, complex and precise bond patterns to be brought to life quickly and easily resulting in stunning brickwork elevations.
LIMITLESS POSSIBILITIES AND DESIGN FLEXIBILITY
innovative versatile
The CORIUM system comprises brick tiles specially manufactured to fix mechanically to an HPS200 galvanised steel backing section. These profiled lengths are mounted in horizontal rows onto a vertical support system and the brick tiles are then clipped in place. The mechanical ‘clipping’ feature is unique to CORIUM and ensures a high strength façade that enables some adjustment of brick tile position during installation. Mortar is added using a pump system.

CORIUM can be used with a wide range of substructures, including concrete, timber frame, structural steel, lightweight steel frames, masonry and structurally insulated panels. It can be mounted at any angle, including overhead for soffits and ceilings.

Intricate colour and textural patterning are easily achieved to create extraordinary façade design. And with the large and exciting range of colours and textures available, the only limit to what can be done is your imagination.
benefits of using CORIUM

STRONG | DURABLE | COST | EFFECTIVE | CERTIFIED | VERSATILE | APPEALING | FAST | SIMPLE | MULTI-LEVEL | BACKED BY CSR

features

- The natural beauty of real brick in a rainscreen cladding solution
- Extensive range of colours and textures
- True design flexibility
- Unique and innovative system
- Saves time and money
- Industry tested
- Supply and fix
- Design and technical support – from specification to build
**Strong & Durable**
- Anticipated design life of 60 years in most applications
- Uses HPS200 galvanised steel, or Grade 304 stainless steel backing section (stainless steel below the DPC and in exposure areas)

**Fast & Simple**
- Considerably faster than traditional brickwork to install
- Speeds up the construction process
- Reduced construction costs

**Versatile & Appealing**
- Offers the flexibility, versatility and subtlety to create original designs
- Blends with, or complements, new buildings or refurbishment projects
- Mosaic and decorative patterns are easily achieved
- Variety of sizes and selection of specials, means bespoke bonding patterns are realised without compromising performance, or construction time

**Cost Effective & Certified**
- Suitable for use with a wide range of substructures, including concrete, timber-frame, structural steel, lightweight steel frames, masonry and structurally insulated panels
- Lightweight - buildings may benefit from simpler, lower cost foundations
- Supply and fix solution through PGH Bricks & Pavers’ network of recognised installers
One of the great strengths of CORIUM brick tiles is that they are all produced on the same red body. Individual colour is applied and fired into the surface of the brick tile at over 1000° celsius. This creates incredibly consistent, rich and durable colours.

Available in a huge range of colours and textures, as well as multiple sizes.

Architects and building designers now have an unlimited palette with which to play and produce innovative, complex and precise bond patterns that allow stunning brickwork elevations to be brought to life quickly and easily. Bespoke colour and texture finishes can also be developed to enhance design and meet potential ‘Look and Feel’ expectations.

Factory hand blended options in any colour variation are available to order, depending on minimum quantity required.

Whatever the look … it’s possible with CORIUM.
Incredibly consistent rich durable colours
The extensive range of CORIUM colours and textures gives you true design flexibility.
CORIUM
colour palette
creams

10121
10191
10200
23500
23511
26000
29180
31000
31010
31100
71010
71115
71117
71220
74430
74440
74450
COLOUR PALETTE

CORIUM

colour palette

brights

16
finishing touches. special shapes

Purpose-made return units can be developed if required.

CM.1 / One piece
External return brick-tile (LH or RH)

CM.1 / Site bonded
External return brick-tile (LH or RH)

Double brick tile

Projecting brick tile

Soffit brick tile

Triple brick tile

Available mortar colours:

#73 Cinnamon
#101 Granite
#103 Basalto
#109 Creama
#100 Marble Bianco
An extensive range of special shapes adds the perfect finish.
CORIUM is a supply and fix solution from PGH Bricks & Pavers through trained installers. Easy to use and simple to install CORIUM can be fixed from mobile platforms, scissor lifts, mast climbers, or traditional scaffolding.

CORIUM is also available as a prefabricated solution, where manufacturing takes place under quality controlled, factory conditions. This allows for construction without delay due to adverse weather, reducing materials wastage and dramatically reducing onsite construction time. Prefabricated panels are either lightweight steel frame, or unitised aluminium systems, and are available for larger scale projects where overall project cost savings would be realised.

CORIUM can be used with a wide range of substructures:
- Concrete
- timber frame
- structural steel
- lightweight steel frame
- masonry
- structural insulated panels

easy to use.
simple to install.
strength, speed & simplicity

**STEP 1**
- Rows of profiled steel sections are fixed to the backing structure with vertical support at maximum 600mm centres
- Sections are designed to interlock vertically

**STEP 2**
- CORIUM brick-tiles are clipped into place
- Clipping process ensures consistent horizontal joints are achieved
- Vertical joint spacing can be adjusted to suit design requirements

**STEP 3**
- Mortar applied using a pump system
- Pre-bagged Historic KL mortar preferred - developed specifically for CORIUM and suits brick tile characteristics
- 5 standard mortar colours available - bespoke colours can be matched
- Preferred joint profiles are ironed or flushed

**USING AND INSTALLING CORIUM**
case study
belmont house

Client \ Belmont House
Architects \ TP Bennett
Contractor \ McLaren

Explore this case study in more detail \ corium.pghbricks.com.au/casetstudies
“The brick cladding has met all expectations and looks very crisp.”

– David Blair, TP Bennett
CASE STUDIES

Client: City of Chelmsford
Architects: Pollard Thomas Edwards
case study

City Park West

Client \ City of Chelmsford
Architects \ Pollard Thomas Edwards

“CORIUM simultaneously creates intimacy and openness.”

Explore this case study in more detail \ corium.pghbricks.com.au/casestudies
“We picked colours that would replicate the local brick work and mosaic designs.”

– Nick Everit, ESA

Explore this case study in more detail \ corium.pghbricks.com.au/casestudies
case study
hercules house

Client \ PPHE Hotel Group
Architects \ ESA
Contractor \ Folcra (Spain)
case study
loughborough college

Client \ Loughborough College
Architects \ IBI Group UK
Contractor \ Willmott Dixon

Explore this case study in more detail \ corium.pghbricks.com.au/casestudies
Visitors are greeted with views of a curved brick façade with 15 different colours

– Ben Harris, Willmott Dixon
“Speed was a big factor in the selection of CORIUM. We know how efficient it is – with the timeframe we had and the fact that it is four storeys, traditional brick would have been slow.”

- Paul Tierney, Extraspace Solutions

Awards \ Finalist Offsite Construction Awards 2016
– Best use of Volumetric Technology and Best Hybrid Construction Project

Explore this case study in more detail \ corium.pghbricks.com.au/casestudies
Case Study
Paxton Primary School

Client \ Paxton Primary School
Architects \ Paul Murphy Architects
Contractor \ Extraspace Solutions
case study

echo leads

CORIUM tiles were glazed to match the RAL colours selected.

Explore this case study in more detail \ corium.pghbricks.com.au/casestudies
case study
burdett road

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

Explore this case study in more detail \ corium.pghbricks.com.au/casestudies
“CORIUM’s ability to match existing brickwork combines with its lightweight nature and speed of installation.”
“CORIUM enabled the architects’ vision to become a CORIUM enabled reality”
design & technical support

PGH Bricks & Pavers offer detailed technical, product and design advice and support on the use of the CORIUM system and its applications, from project specification right through to construction, including:

– Specification partnering
– Expert advice for architects, engineers and builders
– Technical support
– Design support
– BIM files supply through pghbricks.com.au
– Supply and fix management
PGH Bricks & Pavers offer detailed technical, product and design advice and support on the use of the CORIUM system and its applications, from project specification right through to construction, including:

- Specification partnering
- Expert advice for architects, engineers and builders
- Technical support
- Design support
- BIM files supply through pghbricks.com.au
- Supply and fix management
CORIUM is a unique rainscreen cladding solution that not only helps protect the building structure from environmental elements, but also contributes to delivering thermal performance and pleasing aesthetics. The fact that it is a natural brick tile system also means it is incredibly durable.

CORIUM can be used with a wide range of substructures, including concrete, timber frame, structural steel, lightweight steel frames, masonry and structurally insulated panels.

Innovative, versatile and offering unlimited design flexibility, CORIUM can be mounted at any angle to achieve some truly original finishes. CORIUM can also be used overhead to create soffits and ceilings. And with the large range of colours and textures available, the only limit to what can be done is your imagination.

For technical enquiries email corium@pghbricks.com.au or call 1300 267 486
technical drawings
Fixing Pattern

2400mm CORIUM rails
Position of fixings to perimeter
Typical support centres

Staggered fixings

600mm 600mm 600mm 600mm

1200
technical drawings

typical build up – top hat & Z section

50mm cavity shown. Minimum 20mm cavity required as per façade engineer's design.

33mm

Light gauge steel framing

CORIUM tile
Specially formulated Easipoint
Historic KL pumped mortar
Stainless steel self drilling fixings
HPS200 CORIUM rails
Cavity nom. 50mm formed using galvanised steel ‘top hat’ or ‘Z’ sections
Vapour control layer or rigid air barrier as per design

Internal finishes by others

Light gauge steel framing by others
technical drawings
plan view external corner

Corner angle trim if required. Material to be specified by facade engineer.

CM.1 one piece external return corner tile (left hand and right hand versions available to achieve bond pattern around corner).

CM.1A and CM.1B bonded corners also available to suit corner design.

Stainless steel self drilling fixings.

Cavity nom. 50mm formed using galvanised steel “Top Hat’ or ‘Z’ sections.

Vapour control layer or rigid air barrier as per design.

CORIUM tile
HPS200 CORIUM rails
Specially formulated Easipoint historic KL pumped mortar

50mm cavity shown. Min 20mm required. Subject to facade engineer’s design.

Light gauge steel framing by others.

Internal finishes by others.
technical drawings
horizontal movement joint

Specially formulated Easipoint Historic KL pumped mortar

Stainless steel self drilling fixings

HPS200 CORIUM rails

CORIUM tile

Leg of CORIUM rail trimmed allow gap for movement

Mastic sealant with backing rod or similar filler

Cavity nom. 50mm formed using galvanised steel “Top Hat” or “Z” sections

Vapour control layer or rigid air barrier as per design

50mm cavity shown. Minimum 20mm cavity req. as per facade engineer’s design

33mm Light gauge steel framing

Light gauge steel framing by others

Internal finishes by others

Break in vertical framing

Light gauge steel framing by others

33mm Light gauge steel framing by others

50mm cavity shown. Minimum 20mm cavity req. as per facade engineer’s design

Internal finishes by others

Break in vertical framing

Light gauge steel framing by others
Technical drawings

Ground floor slab detail

- CORIUM tile
- Cavity nom. 50mm formed using galvanised steel 'Top Hat' or 'Z' sections
- Stainless steel self drilling fixings
- HPS200 CORIUM rail above DPC level
- Vapour control layer or rigid air barrier as per design
- Specially formulated Easipint historic KL pumped mortar with weep holes as per design
- Optional DPC (Refer to drawing CM-DP-01)
- Stainless steel CORIUM rails below DPC level
- Slab finishing detail as per design

50mm cavity shown. Minimum 20mm cavity required as per facade engineer’s design

Internal finishes by others

Light gauge steel framing by others

Concrete slab

Min. 15mm

Stainless steel self drilling fixings

Min. 15mm

Corium tile
CM.1 One piece external return corner tile (left hand and right hand versions available to achieve bond pattern around corner). CM.1A and CM.1B bonded corners also available.

Stainless steel self drilling fixings

Cavity nom. 50mm formed using galvanised steel ‘Top Hat’ or ‘Z’ sections

Butyl sealant or similar

CORIUM tile

HPS 200 CORIUM rails

Specially formulated Easipoint historic KL pumped mortar

50mm cavity shown. Min 20mm required. Subject to facade engineer’s design

Vapour control layer or rigid air barrier as per design

Light gauge steel framing by others

Internal finishes by others

Window fixing/installation details to manufacturers and approved installers specification

Cavity size and framing design as per facade engineer’s design

Offsite manufacturing

CORIUM is also available as part of a prefabricated solution, where manufacturing takes place under quality controlled, factory conditions, allowing for construction without delay due to adverse weather, reducing materials wastage and also dramatically reducing onsite construction time.

Prefabricated panels are either lightweight steel frame or unitised aluminium systems and are available for larger scale projects where overall project cost savings would be realised.
CORIUM is a tried and tested rainscreen cladding system, certified and extensively installed across the UK and, more recently, in the USA. Now available in Australia from PGH Bricks & Pavers, CORIUM offers architects and building designers unprecedented choice and design flexibility when it comes to creating outstanding buildings with the natural beauty of brick.

The CORIUM system is a terracotta rainscreen facade. It has been tested under AS/NZS 4284 and demonstrated structural and weather performance through extensive wind load and water penetration testing.

The CORIUM system has undergone an extensive range of testing in the UK, USA and Australia. Please contact PGH Bricks & Pavers on 1300 267 486 for access to these tests and results.

CORIUM can be installed up to 30 storeys high, depending on the region, and is non combustible.