

 **PGH** BRICKS & PAVERS™

 **Corium**

**Brick.
Evolved.**

 **CSR**



CORIUM from PGH Bricks & Pavers is a break through 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.

building with
**brick at
height**
has never been easier

The look of brick can now be used to stunning effect in the design of mid to high-rise buildings, new construction and re-cladding projects through this unique cladding system that is CORIUM.

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.



Multi-level with Brick

contents

CORIUM limitless possibilities, design flexibility	04
innovative, versatile	06
benefits of using CORIUM	08
it's all about colour	10
colour palette	12
finishing touches, special shapes	18
using and installing CORIUM	20
case studies	22
design and technical support	38
technical information	40
technical drawings	41
tried and tested	47

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.





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.

flexibility and versatility to create truly original buildings

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



it's all
about the
COLOUR

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.

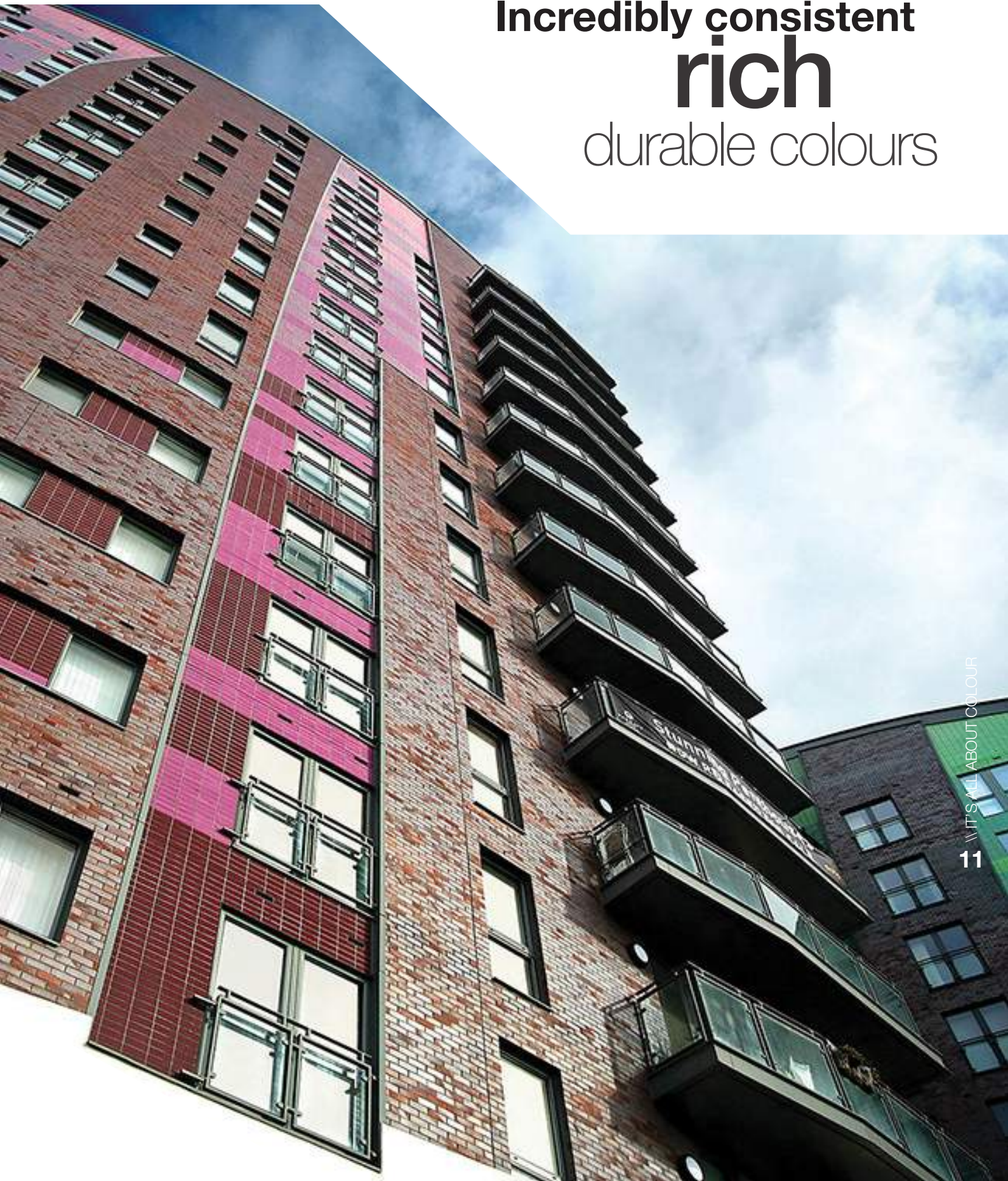
Factory hand blended options in any colour variation are available to order, depending on minimum quantity required.



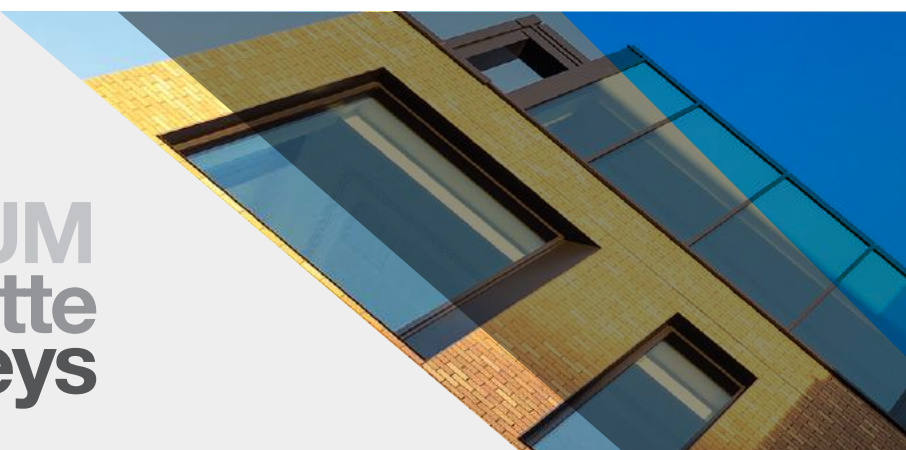
Whatever the look ...
it's possible
with **CORIUM.**



Incredibly consistent
rich
durable colours



CORIUM colour palette greys



10105



41017



42010



52101



60000



60003



61070



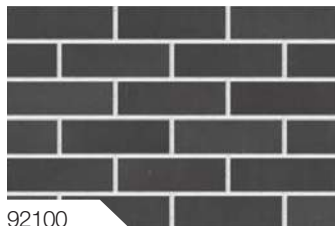
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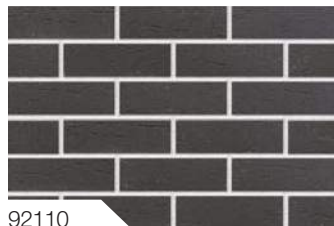
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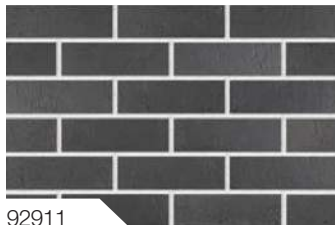
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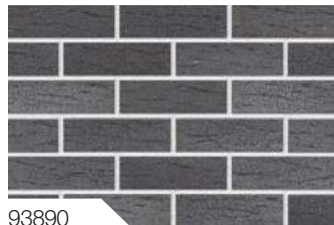
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92911



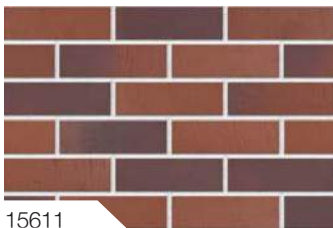
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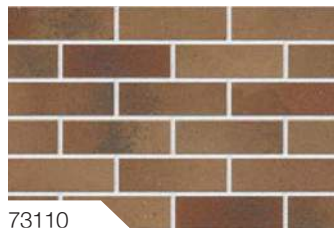
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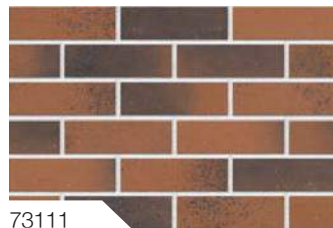
CORIUM colour palette browns



15611



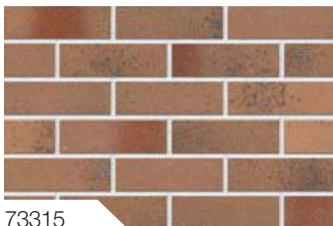
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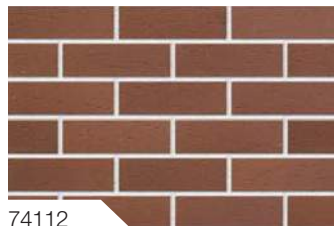
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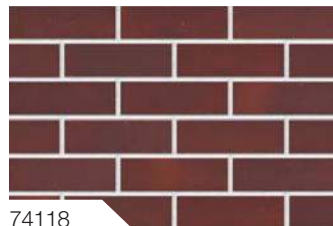
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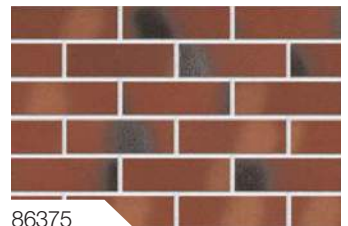
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74112



74118



86375



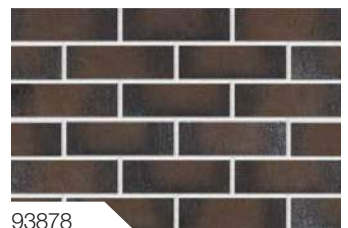
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92801



92960



93878

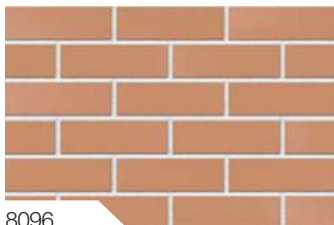


94180

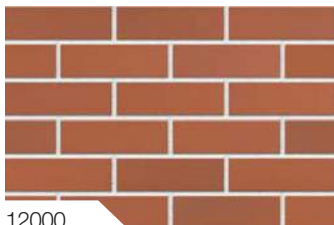
Colour Texture.

The extensive range of CORIUM colours and textures gives you true design flexibility.

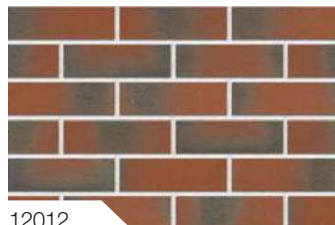
CORIUM colour palette reds



8096



12000



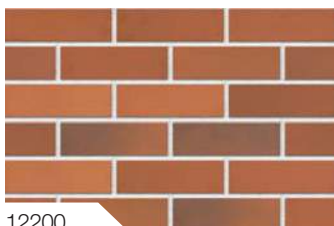
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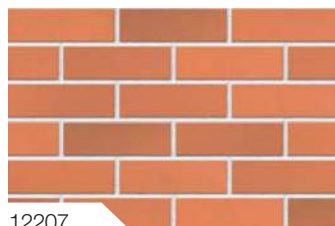
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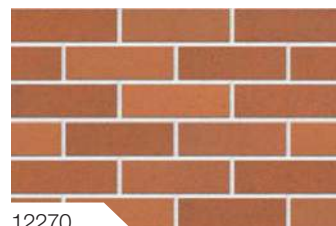
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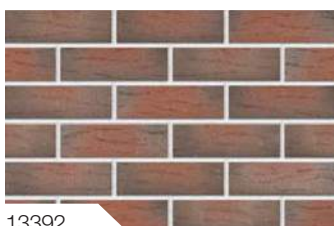
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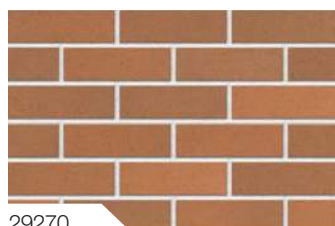
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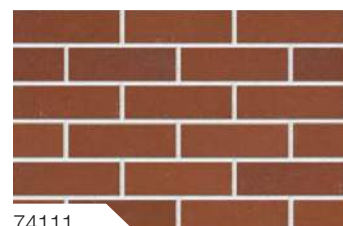
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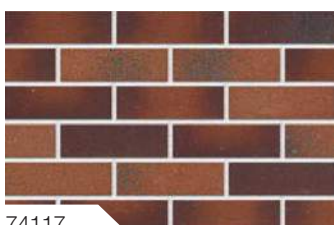
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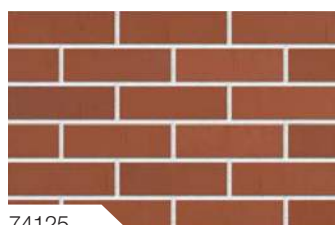
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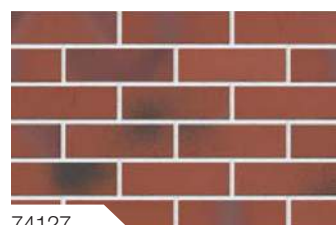
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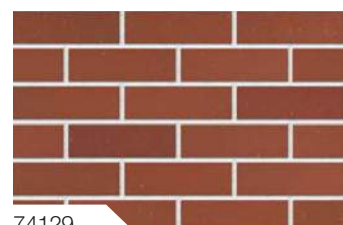
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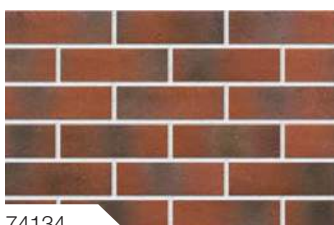
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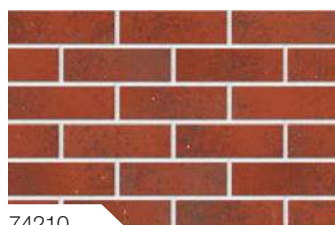
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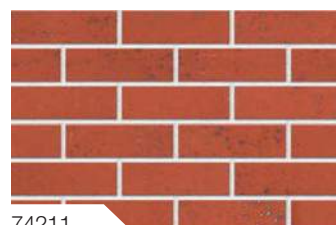
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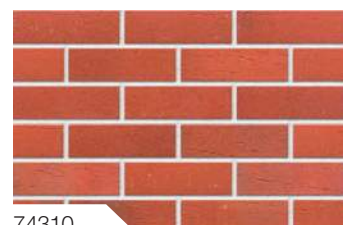
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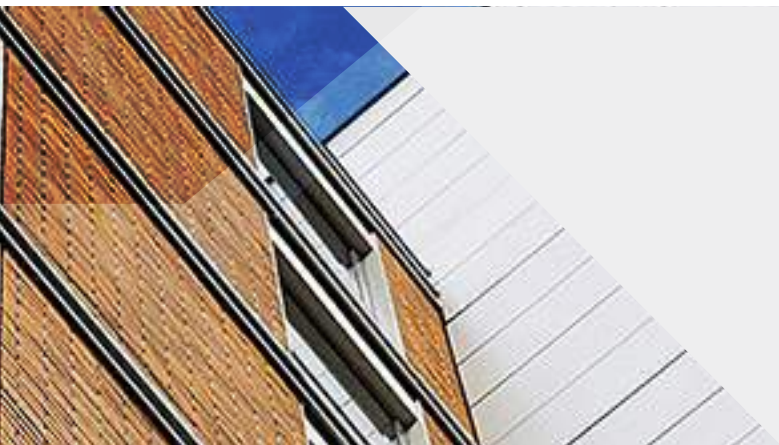
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74211



74310



CORIUM colour palette creams



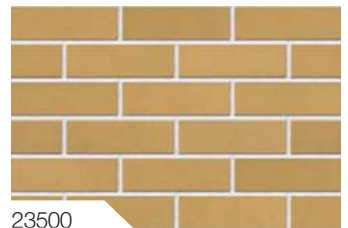
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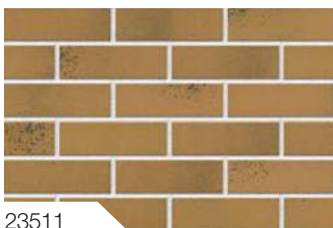
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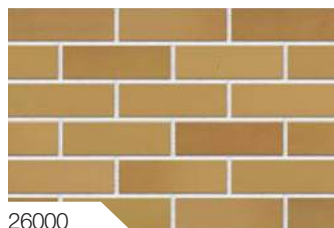
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23500



23511



26000



29180



31000



31010



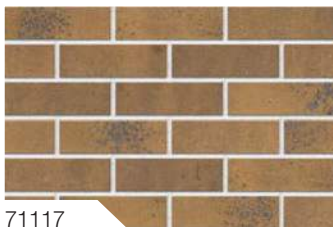
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71115



71117



71220



74430



74440



74450

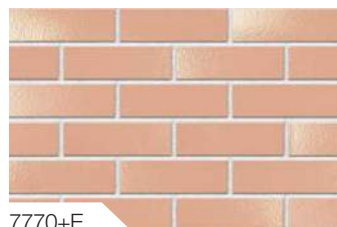
CORIUM colour palette brights



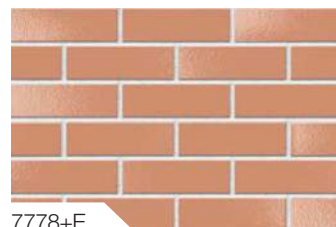
860



7767+E



7770+E



7778+E



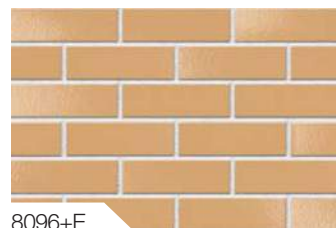
7783+E



7787+E



7791+E



8096+E



8104+E



8105+E



8111



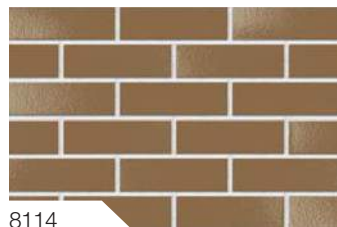
8111+E



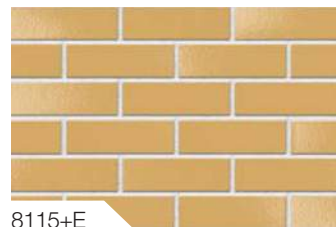
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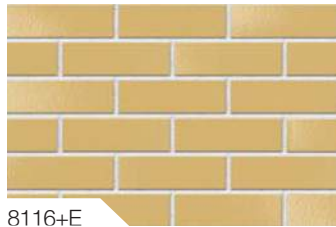
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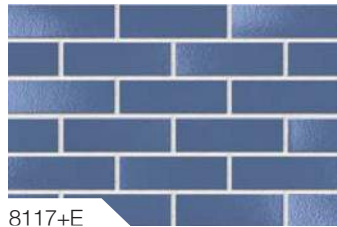
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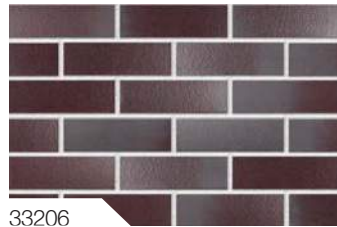
8115+E



8116+E



8117+E



33206



41001



41001G



41002



41003



41004



41005



41005G



41006



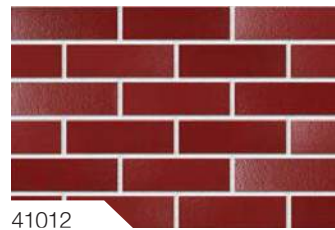
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41008



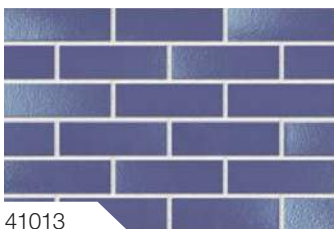
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41012



41012G



41013



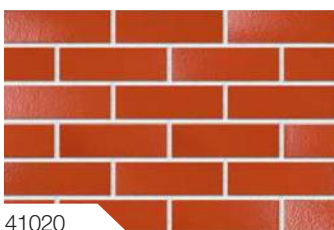
41014



41014G



41016



41020



45005



52100



52200



52300



60008



72000



72000G



93400



93800

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:

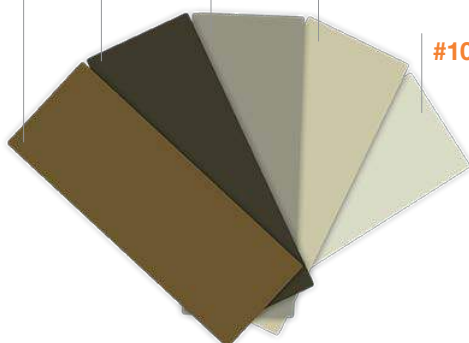
#73 Cinnamon

#101 Granite

#103 Basalto

#109 Crema

#100 Marble Bianco





An extensive range of
special shapes adds the
perfect finish

using + installing **CORIUM**

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



01

- 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



02

- 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



03

- 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

case study belmont house

Client \\
Belmont House

Architects \\
TP Bennett

Contractor \\
McLaren





“The brick cladding
has met all
expectations
and looks **very crisp.**”

– David Blair, TP Bennett





Client \ City of Chelmsford
Architects \ Pollard Thomas Edwards

case study city park west

“CORIUM
simultaneously
creates intimacy
and openness.”





“ We picked colours that would replicate the local brick work and mosaic designs. ”

– Nick Everit, ESA



case study hercules house

Client \ PPHE Hotel Group
Architects \ ESA
Contractor \ Folcra (Spain)



case study loughborough college

Client \ Loughborough College

Architects \ IBI Group UK

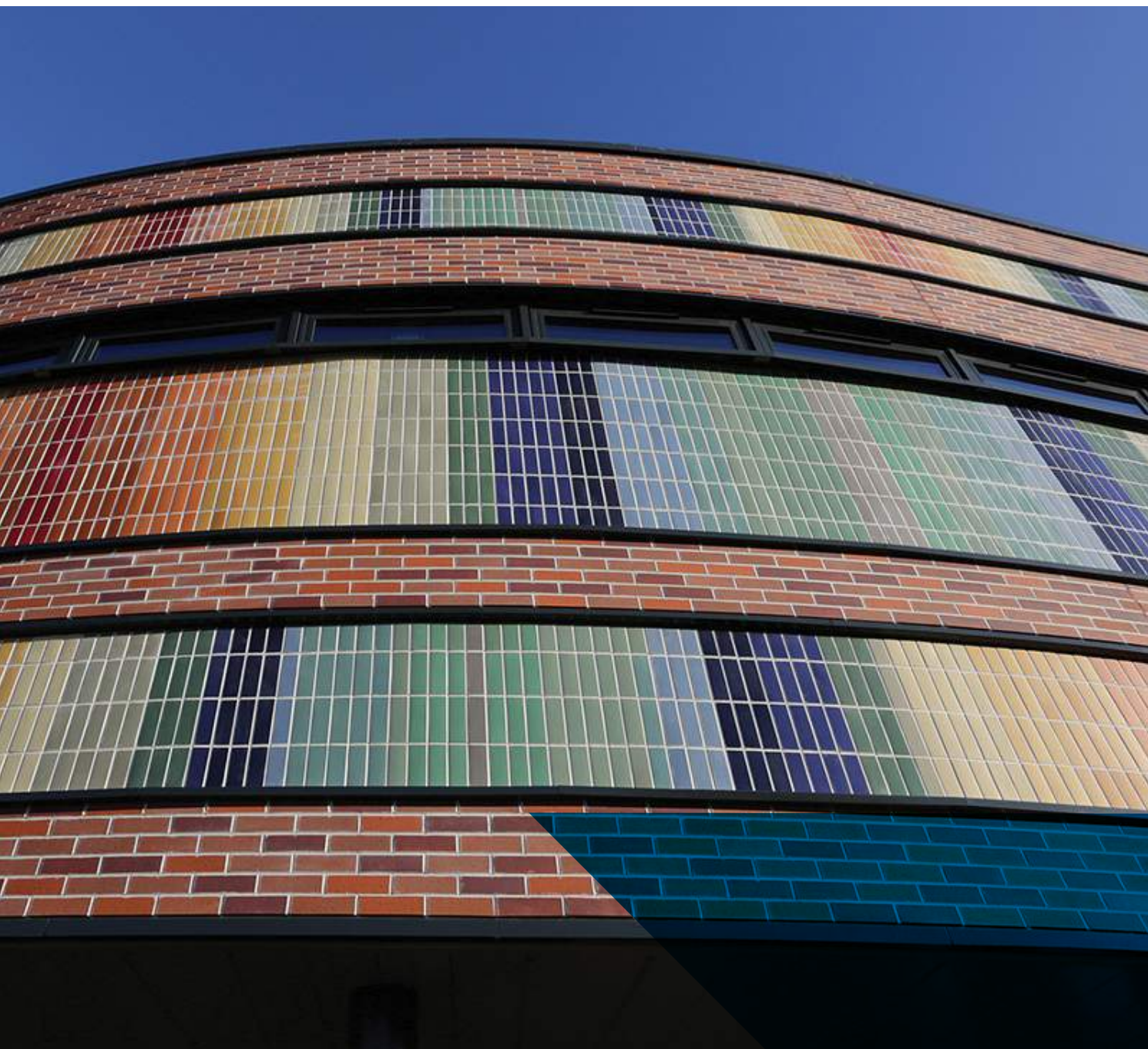
Contractor \ Willmott Dixon





“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.

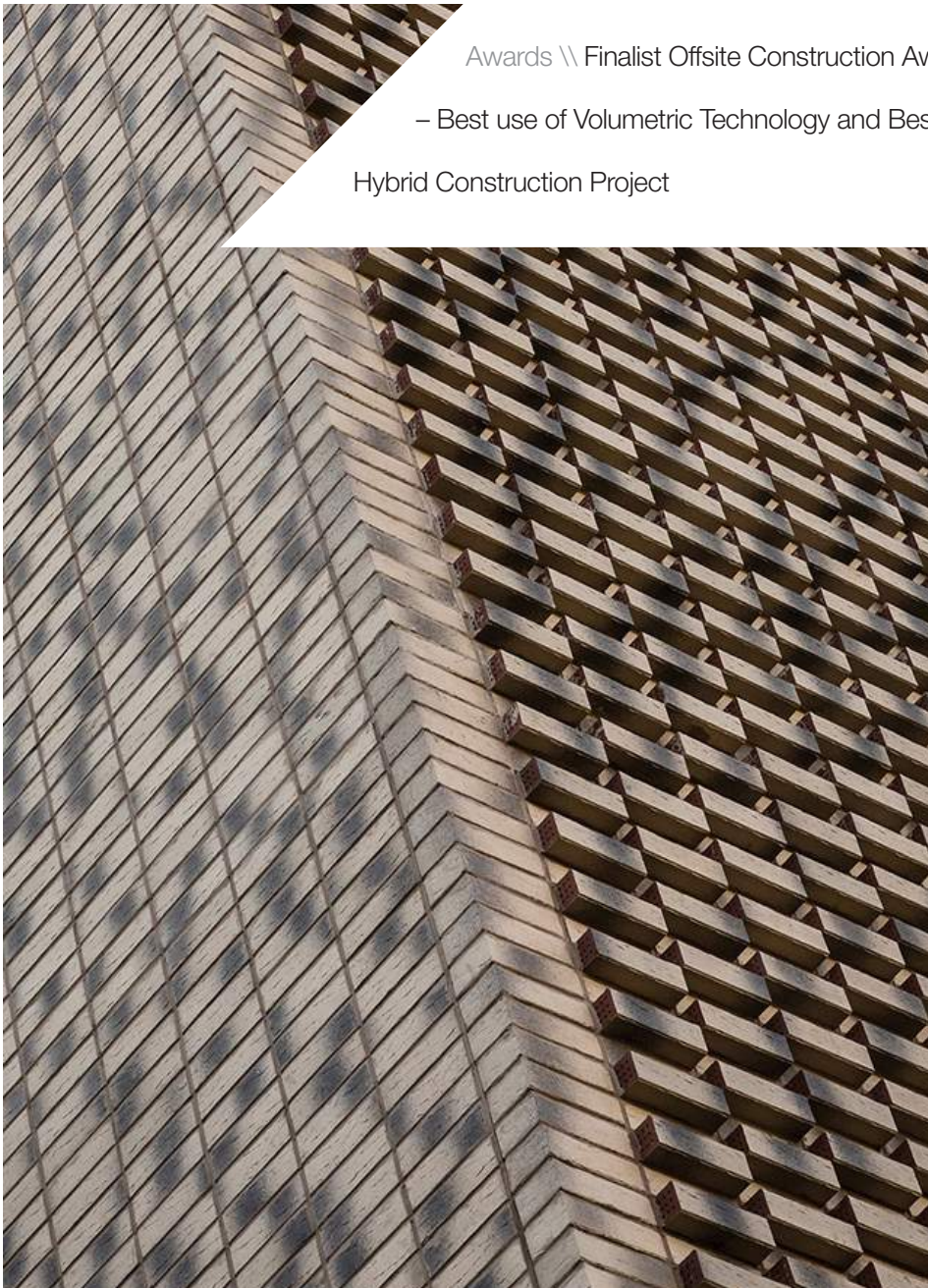
We know how **efficient** it is –
with the timeframe we had
and the fact that it is four storeys,
traditional brick would have been slow.”

- Paul Tierney, Extraspace Solutions

Awards \ Finalist Offsite Construction Awards 2016

- Best use of Volumetric Technology and Best

Hybrid Construction Project



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

case study paxton primary school





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

case study echo leads

“ CORIUM
tiles were
glazed to match
the **RAL colours** selected.”

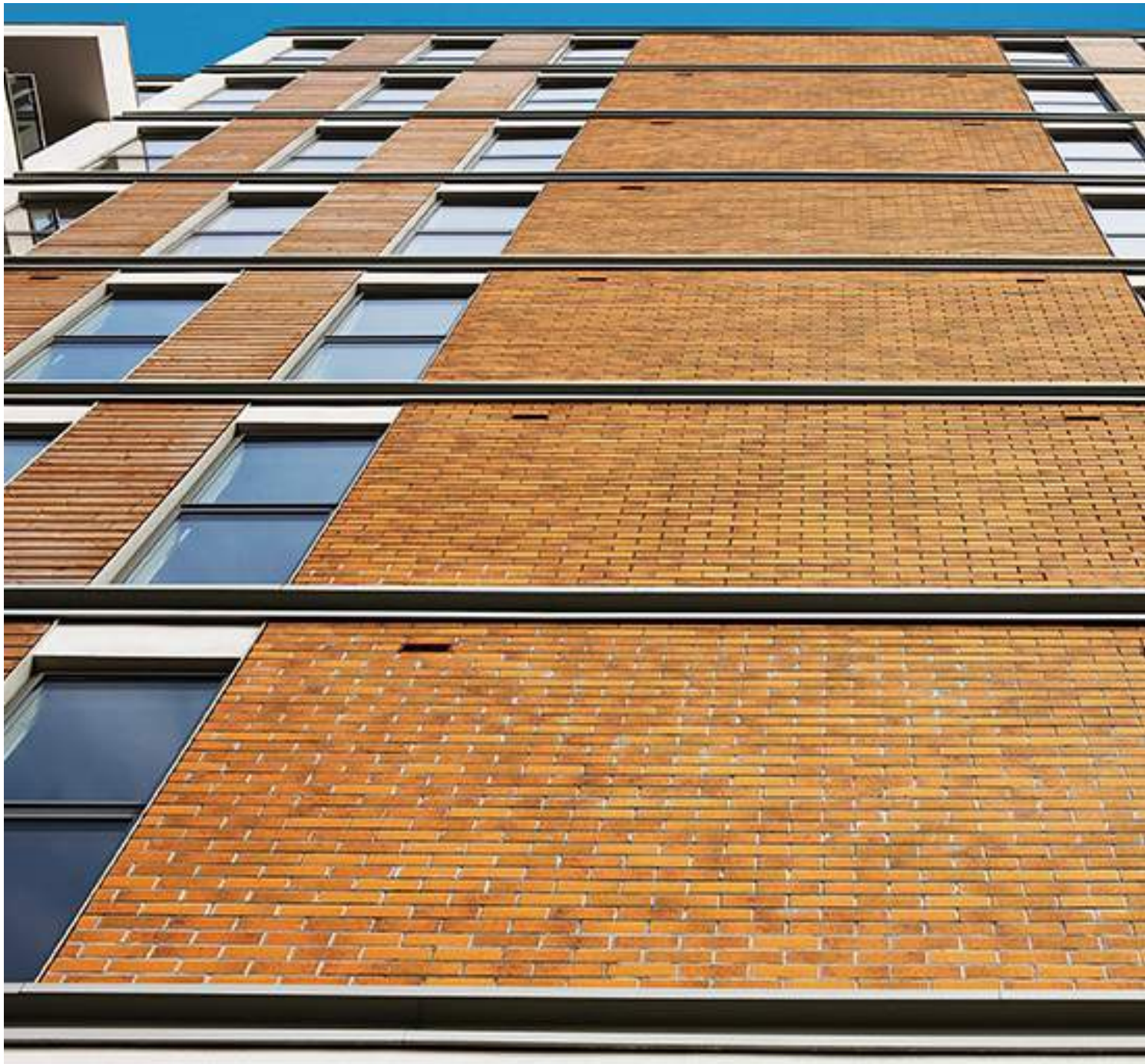


case study burdett road

Client \ London Green Developments

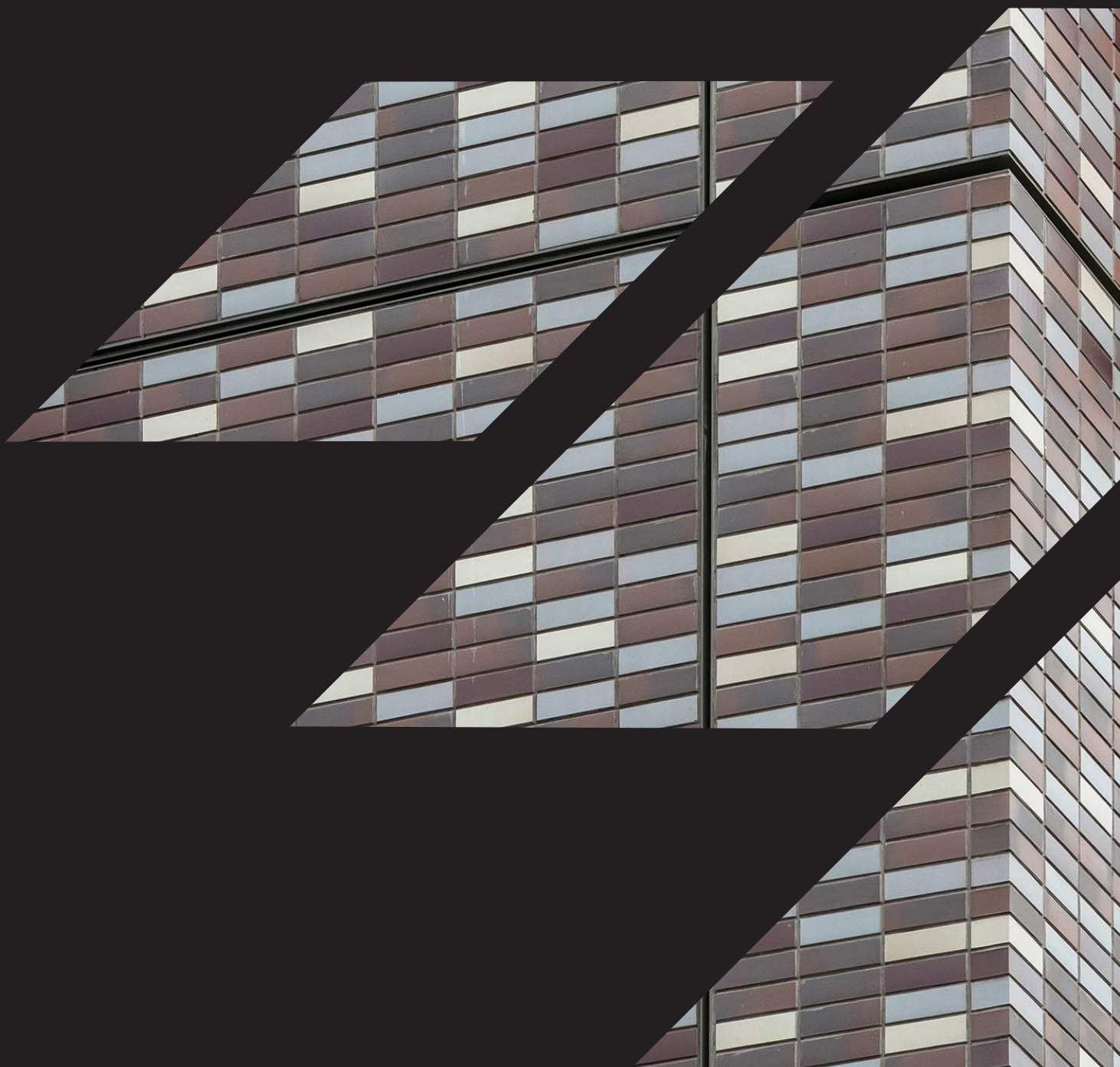
Designer \ Carey Jones

Contractor \ London Green Developments



“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”



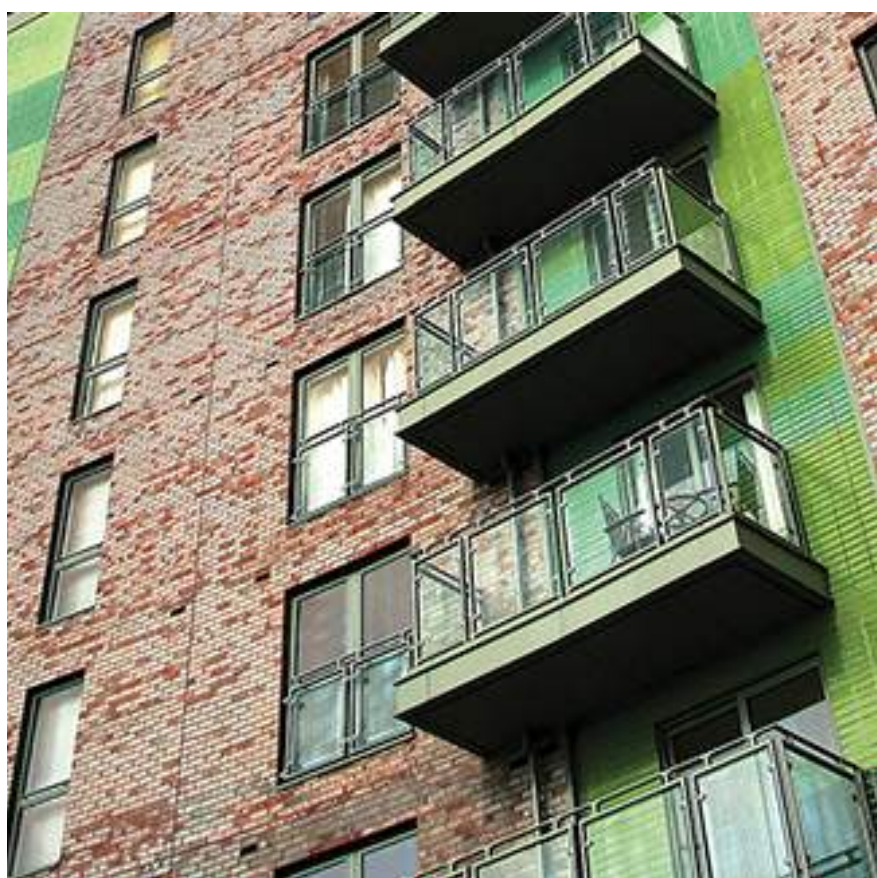
design & technical s



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



technical information

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.

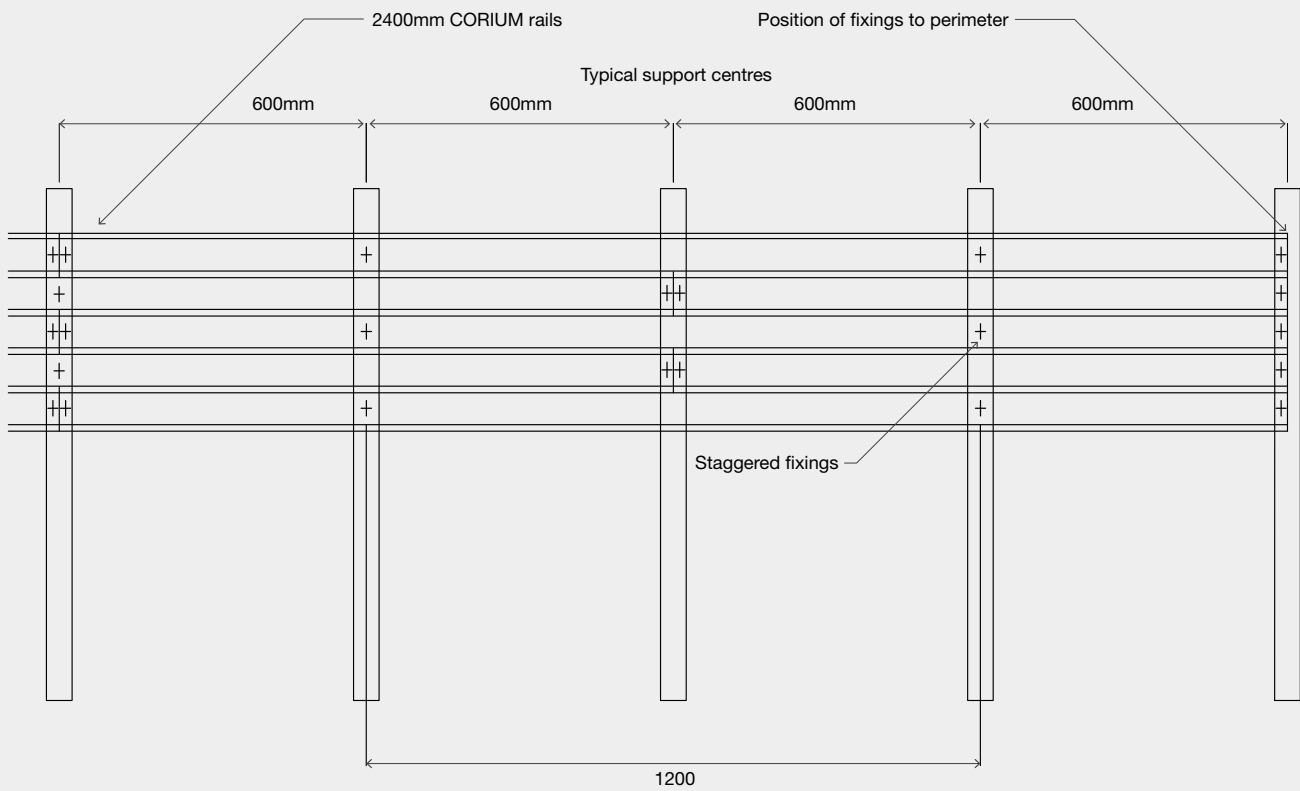
Innovative, versatile and offering unlimited design flexibility, CORIUM can be mounted at any angle to achieve some truly original finishes. CORIUM can also be used overhead to create soffits and ceilings. And with the large range of colours and textures available, the only limit to what can be done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

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

STRONG DURABLE
COST EFFECTIVE
SIMPLE VERSATILE
APPEALING FAST

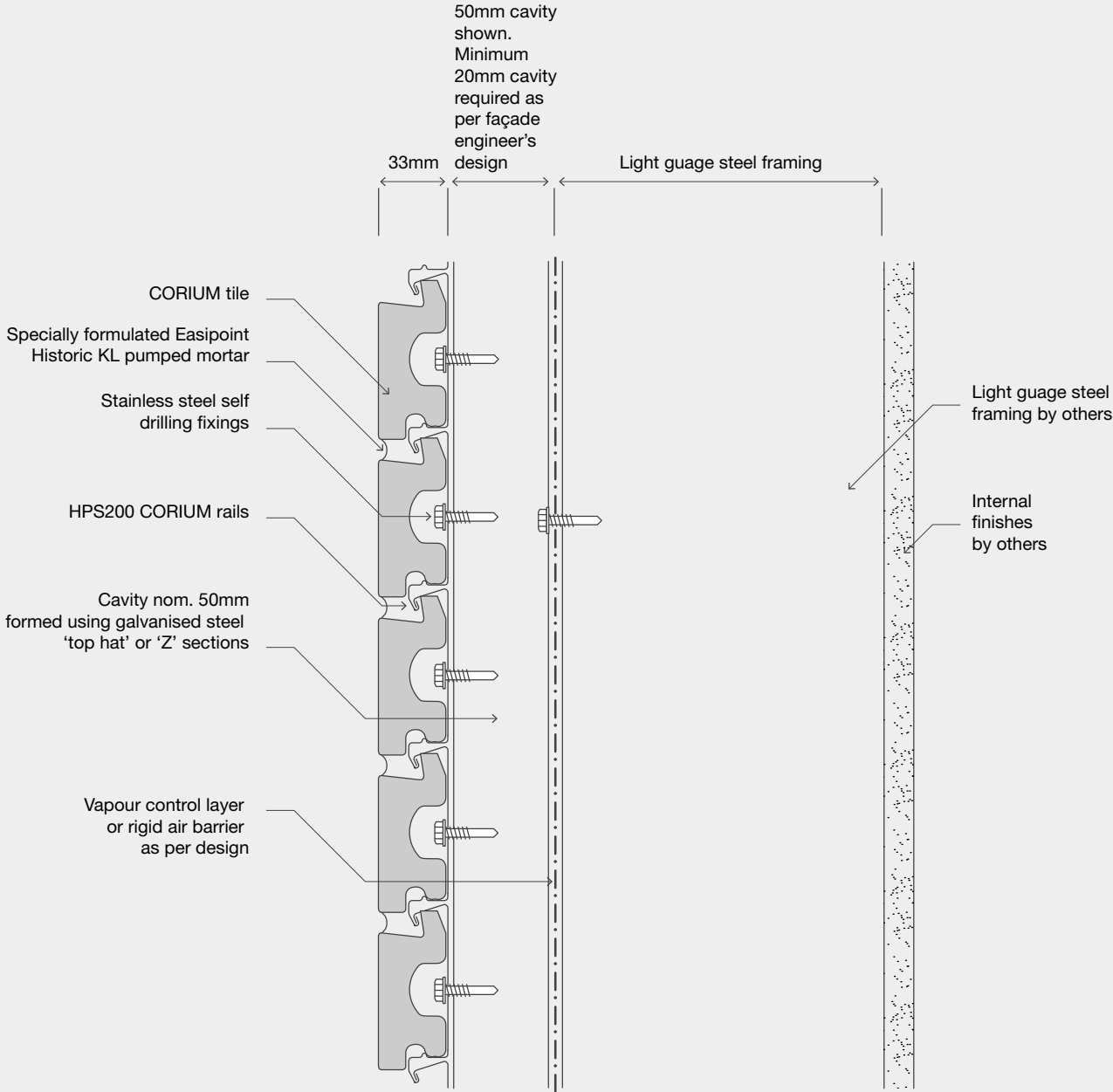
technical drawings

Fixing Pattern



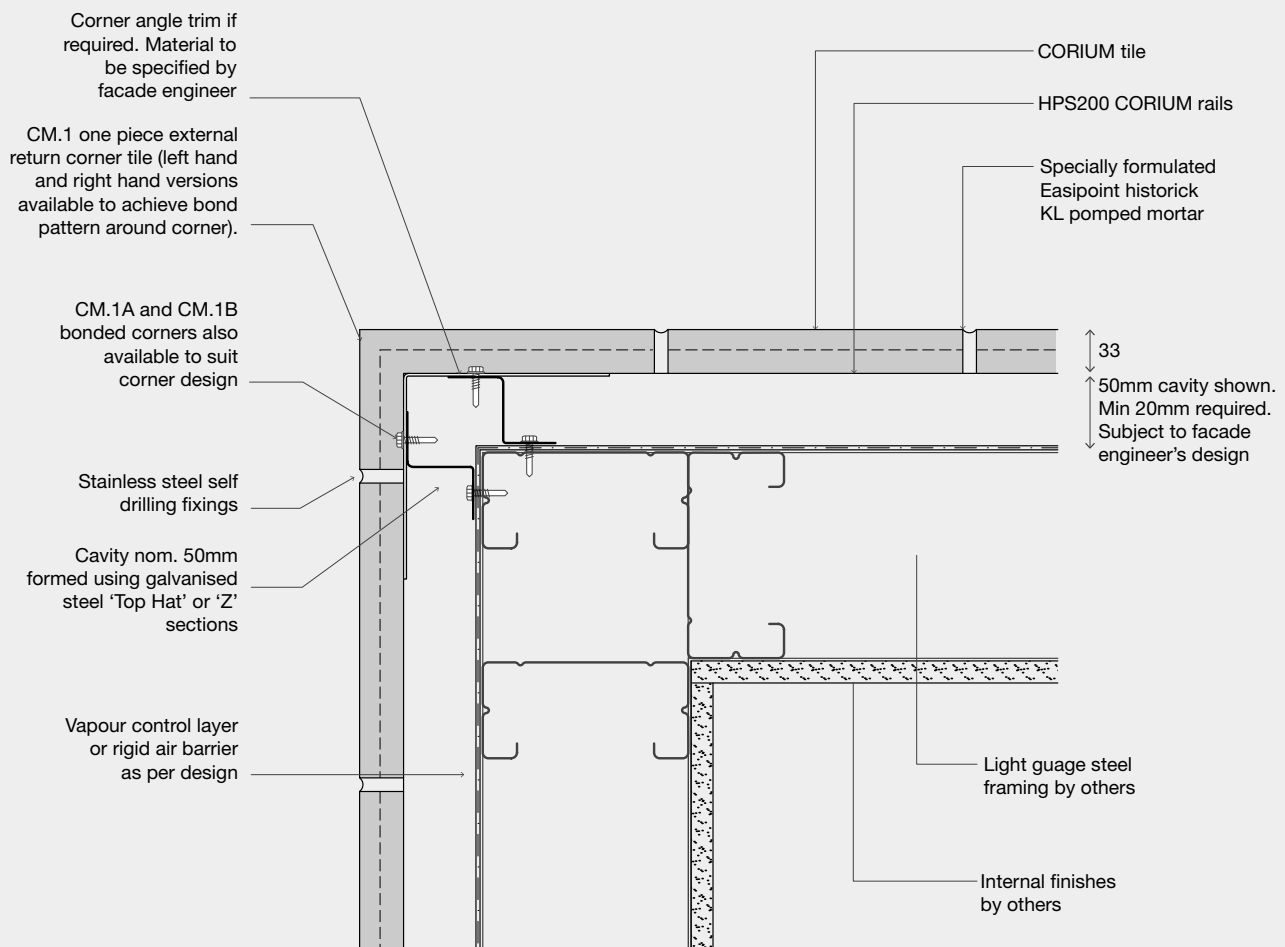
technical drawings

typical build up – top hat & Z section



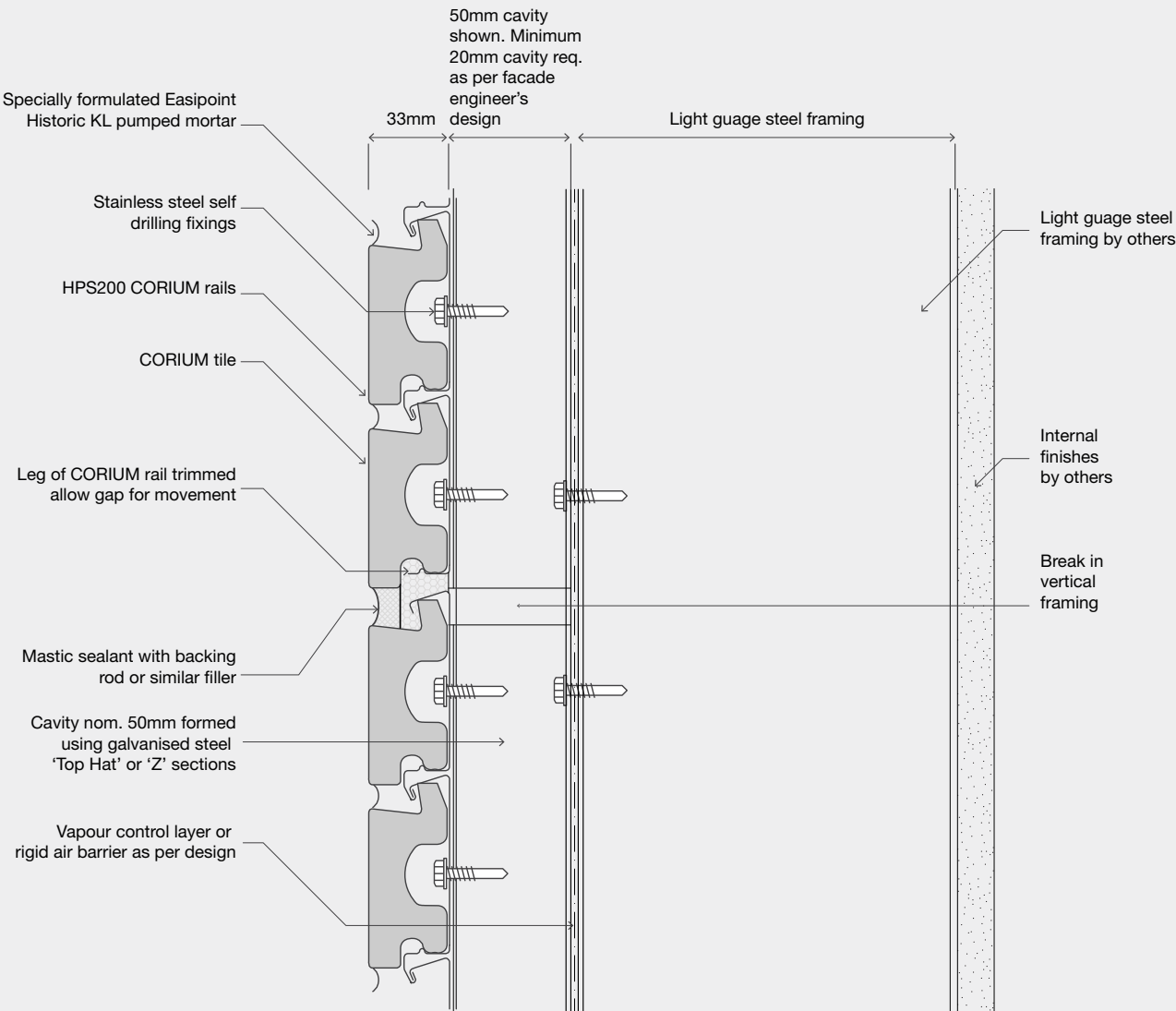
technical drawings

plan view external corner



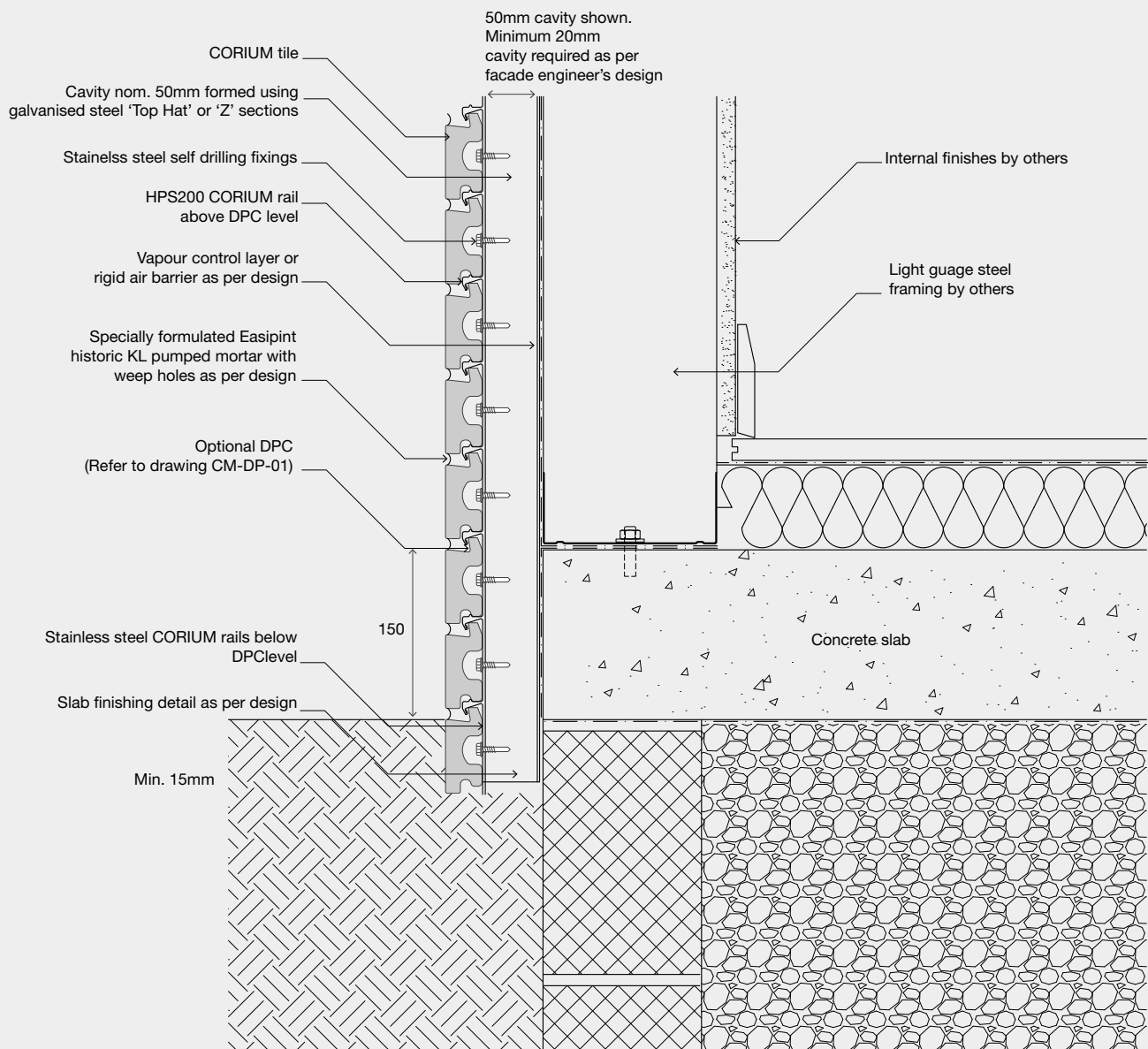
technical drawings

horizontal movement joint



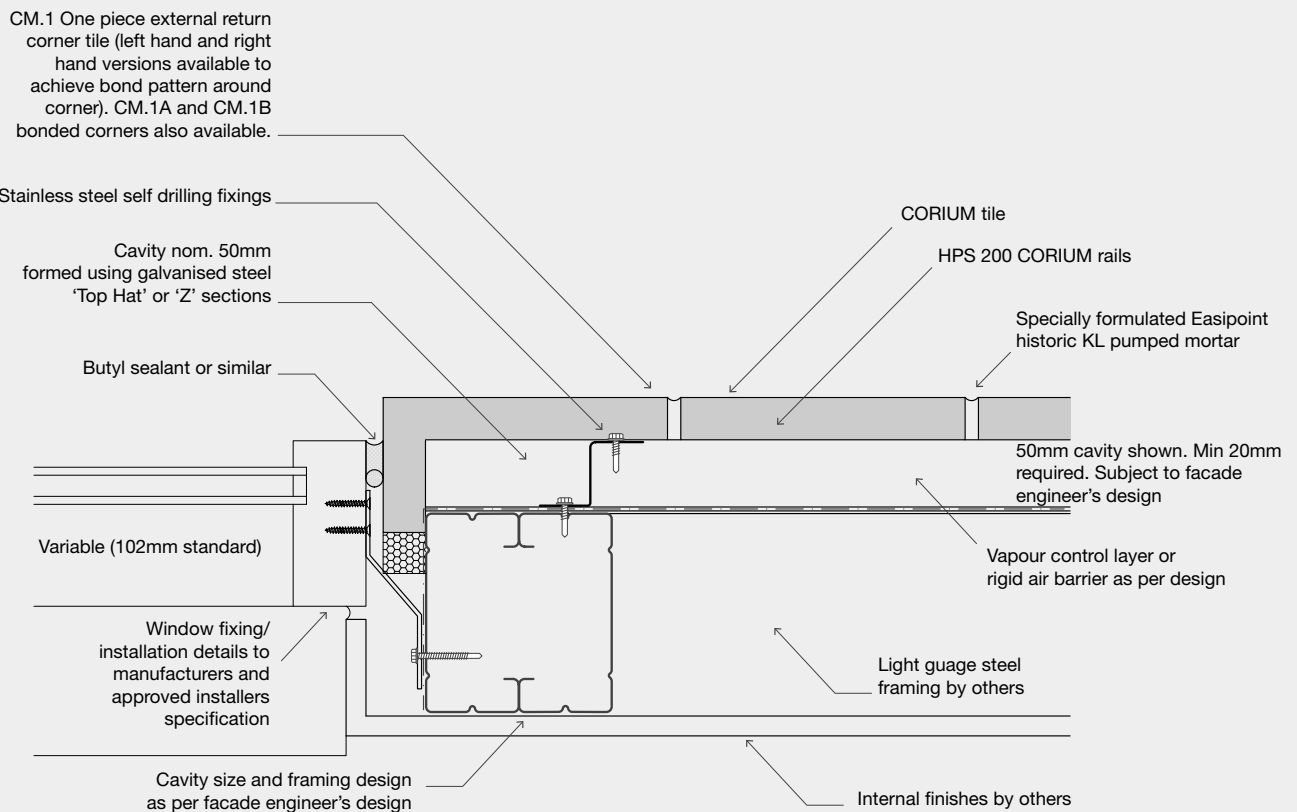
technical drawings

ground floor slab detail



technical drawings

window jamb brick reveal



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.



tried and **tested**

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.

unprecedented
choice and
design
flexibility



PGH Bricks & Pavers is part of CSR Limited, the name behind some of Australia and New Zealand's most trusted building industry brands, including Gyprock™ plasterboard, Bradford™ insulation, Monier™ roof tiles and Viridian™ glass.

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For more information contact
corium.pghbricks.com.au \\ corium@pghbricks.com.au
1300 267 486