

 **PGH** BRICKS & PAVERS™

**InBrick.** TM 

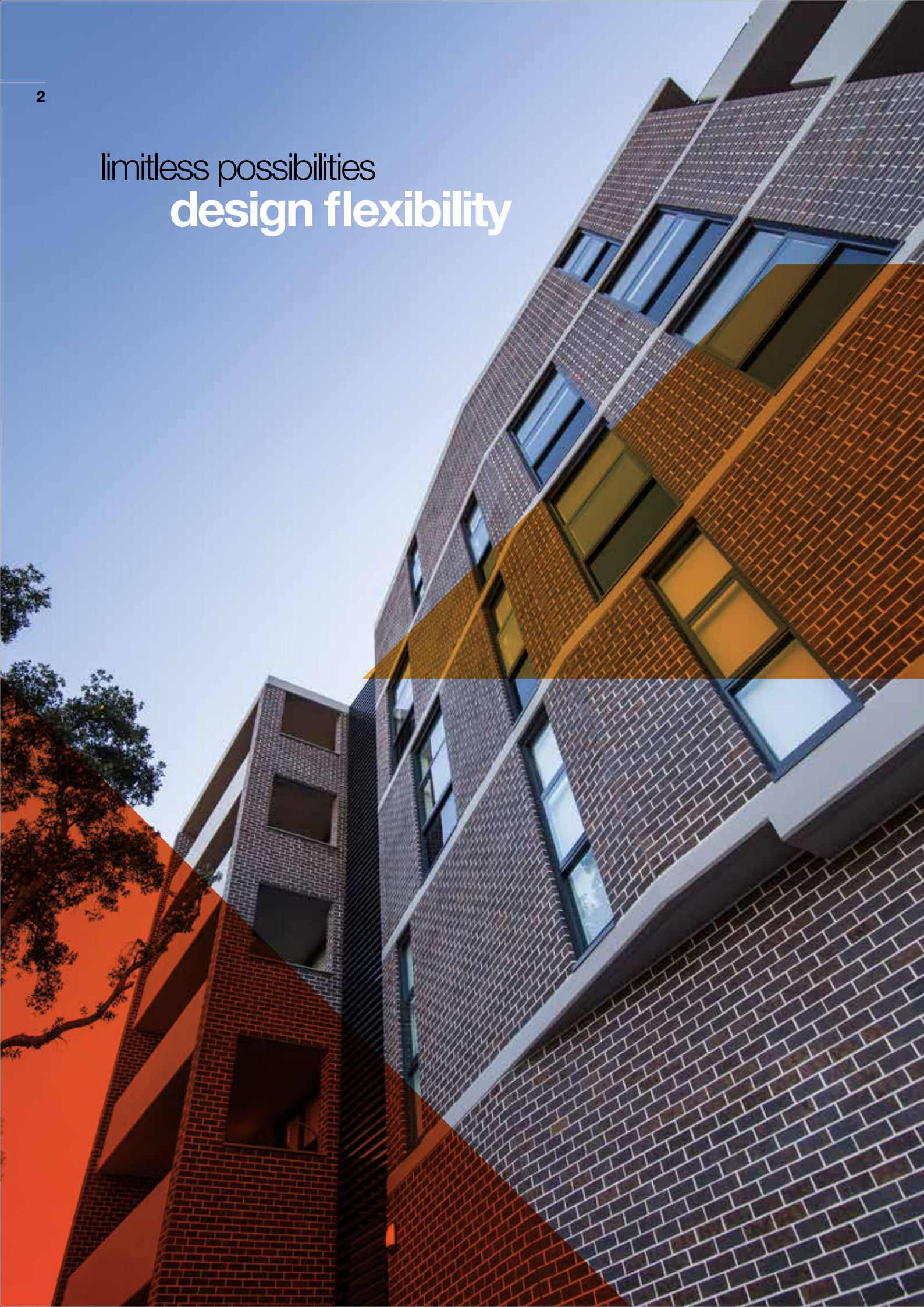
# Inlay Brick System

Bringing the natural  
beauty of real brick  
to precast concrete

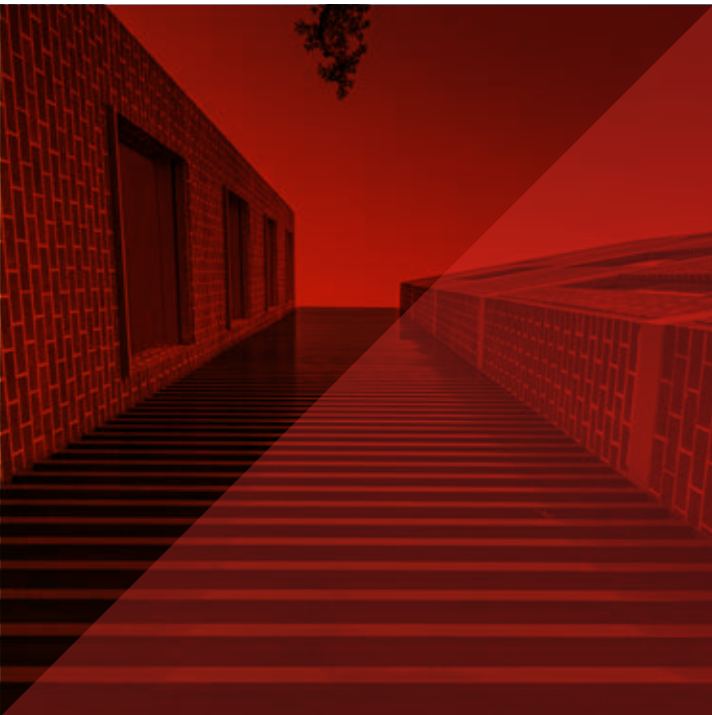
**CSR**



limitless possibilities  
**design flexibility**







InBrick™ from PGH Bricks & Pavers™ brings the natural beauty of real brick to precast concrete panels, combining the choice and design flexibility of brick with the inherent qualities and construction benefits of precast concrete. The ability of precast concrete to take virtually any shape makes it a defining construction material of contemporary design.

PGH Bricks & Pavers is one of Australia's leading brick manufacturers and now introduces an inlay brick system that embeds genuine clay brick tiles into precast concrete panels.

With InBrick the look of brick can now be used to stunning effect in the design and construction of concrete structures. InBrick offers a genuine brick finish for projects where precast concrete panels are required and allows innovative, complex and precise bond patterns to be brought to life quickly and cost effectively, resulting in stunning brickwork elevations.

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# What is InBrick?

InBrick is an inlay brick system that embeds genuine clay brick tiles into precast concrete panels, providing the look and feel of brick, with its durable aesthetic, to precast concrete panels. These precast panels can be for structural or non-structural purposes, depending on the building type and application.

For **architects** InBrick means greater design flexibility. InBrick provides a structural design solution using conventional precast methods that accommodates arches, headers, soffits, and multiple coursing patterns and brick sizes. The range of colours, sizes and textures on offer, from traditional brick finishes to precision look glazed options, is limitless ... meaning anything is possible.

For **developers and builders** InBrick provides a structural design solution using conventional precast methods of installation and doesn't require additional labour on site or post installation surface treatment. Using InBrick means accelerated construction and enclosure times, resulting in considerable cost efficiencies. It is fabricated offsite and ready to install. InBrick accommodates any brick shape or size and can be used on a variety of project applications – pre-cast, tilt-up or cast in place. And because it has a genuine brick finish, InBrick is very low maintenance.

For **precast contractors** who want fast cycle times, InBrick provides a tried and tested system from the USA that reduces labour time and is easy to handle and assemble, unlike anything else on the market. InBrick can be assembled on any bed, without the need for a subfloor or specialised forms. The single use design means no liner wash-down is required between cycles and no dedicated brick bed allocation.





InBrick can accommodate any brick shape or size and is supported by a range of accessories designed to make assembly easier and faster. It can be used for a variety of project applications – pre-cast, tilt-up or cast in place and is ideal for repeat panels.



**speeds the  
construction process,  
reducing costs**



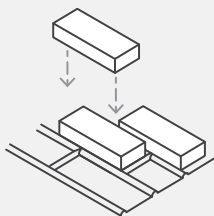
# InBrick

a quick and creative solution

The InBrick system combines the lasting beauty and durability of traditional brick with all the benefits and efficiencies of precast concrete. InBrick allows faster enclosure and removes the brick façade from the critical path. As InBrick is prefabricated offsite it allows for faster construction times onsite, saving time and money. InBrick is available in multiple brick

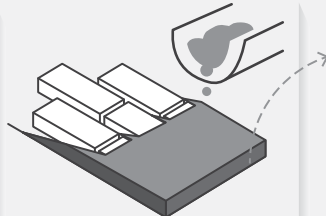
sizes; Australian, European, UK, US, and is customisable to suit your project.

With limitless options when it comes to the range of brick tiles on offer and the ways in which they can be applied, InBrick enables the creation of truly original buildings.



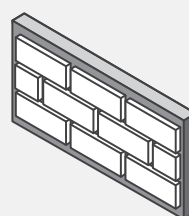
1

PGH thin brick facings are placed into VersaLiner® single use liner in the desired configuration, a process which is quick and forms perfect courses of brick.



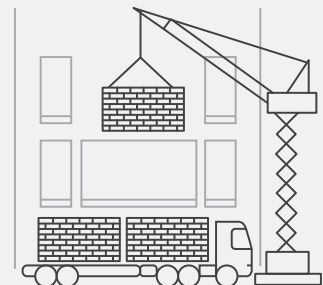
2

After reinforcing is placed, concrete is poured over the configuration and finished in the normal manner.



3

When the InBrick panel is erected, the VersaLiner® is stripped from the face and the panels are cleaned. The end result is an InBrick concrete precast panel with an InBrick cast façade.




4

InBrick panels are delivered on-site, ready for installation. They can be used in a variety of project applications: pre-cast, tilt-up or cast in place.

## Patented single liner technology

The InBrick system uses VersaLiner®, a patented single liner technology, to embed thin brick tiles into precast concrete. It is a patented, single use liner that offers a multitude of advantages, including:

- Higher production efficiencies
- Faster construction
- Lower labour cost
- Quicker clean up
- Less power washing
- Better overall finish
- Faster cycle times
- More realistic mortar joints
- Multiple brick sizing and bond patterns
- Greater design flexibility
- Form-liner technology using recycled and reclaimed post-manufacturing PET and HIPS.



**VersaLiner®**  
– patented single use liner

## InBrick features&benefits

- Achieves a real brick look and feel
- Design flexibility with limitless range of brick colours and textures to choose from
- Accommodates arches, headers, soffits and multiple coursing patterns and brick sizes
- Combines the aesthetic of brick with the benefits of offsite manufacture
- Cost-effective way of achieving intricate brick detailing
- Structurally sound and durable - precast concrete panels are strong and resistant to impact
- Excellent fire-resistance and acoustic properties
- The bond of brick tiles and concrete is permanent
- Easy to install with accelerated construction and enclosure times
- Prefabricated offsite and delivered ready to install
- Ideal solution where access is restricted, or project schedule demands fast onsite construction
- Speeds up the construction process, reducing construction costs
- Can be used in a variety of project applications: pre-cast, tilt-up or cast in place
- Ideal for repeat panels
- Low maintenance
- Independent NATA Testing for mechanical embedment strength – exceeding 1Mpa of extraction force
- Extensive design and technical support from PGH Bricks & Pavers - one of Australia's largest brick manufacturers



# The InBrick range

InBrick is 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. And because it's brick and the colour is fired in, you get incredibly consistent, rich and durable colour.



Alumni



Alumni - Splits



Juilliard



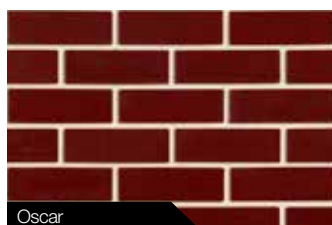
Juilliard - Splits



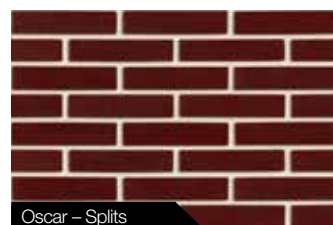
Nobel



Nobel - Splits



Oscar



Oscar - Splits

## Academy



Quantum



Quantum - Splits

\* Other bricks from the PGH Bricks & Paver collections are available on request.



## Dry Pressed



Balmerino Blend



Balmerino Blend - Splits



Balmerino Blend - Linear



Hawkesbury Bronze



Hawkesbury Bronze - Splits



Hawkesbury Bronze - Linear



Livingston Gold



Livingston Gold - Splits



Livingston Gold - Linear



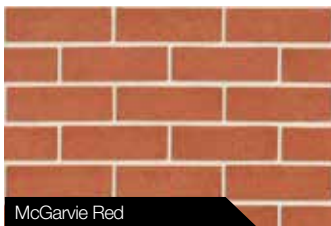
Macarthur Mix



Macarthur Mix - Splits



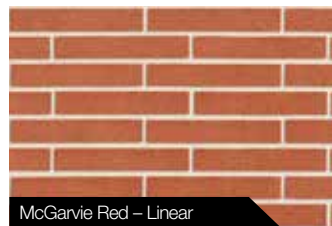
Macarthur Mix - Linear



McGarvie Red



McGarvie Red - Splits



McGarvie Red - Linear



Megalong Valley Grey



Megalong Valley Grey - Splits



Megalong Valley Grey - Linear



Mowbray Blue



Mowbray Blue - Splits

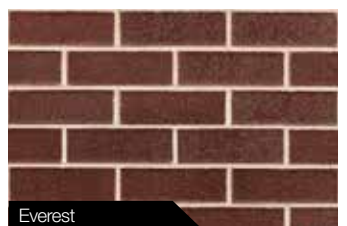


Mowbray Blue - Linear

## Altitude



Apollo



Everest



Mattahorn



Olympus

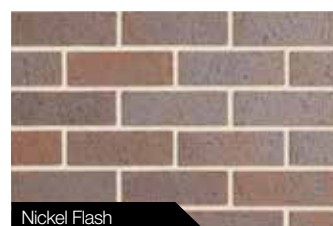
## Manhattan



Chelsea



Blue Steel Flash



Nickel Flash



Tribeca



Pewter

## Metallic

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

## Morada



Blanco



Blanco - Splits



Blanco - Linear



Ceniza



Ceniza - Splits



Ceniza - Linear



Gris



Gris - Splits



Gris - Linear



Nero



Nero - Splits



Nero - Linear



## Seascape



Dusk



Dusk - Splits



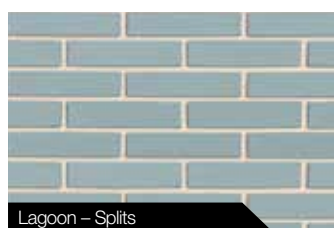
Pumice



Pumice - Splits



Lagoon



Lagoon - Splits



Sea Salt



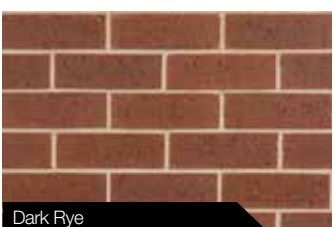
Sea Salt - Splits



## Colour & Texture



Choc Fudge



Dark Rye



Dover



Malt



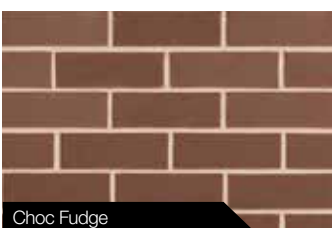
Oak



Taupe Grey

## Velour

## Smooth



Choc Fudge



Taupe Grey



Flame Red

\* Other bricks from the PGH Bricks & Paver collections are available on request.

## Urban Metal



Bronze Sheen



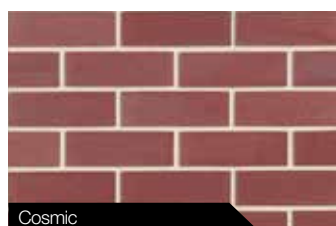
Copper Lustre



Silver Spark



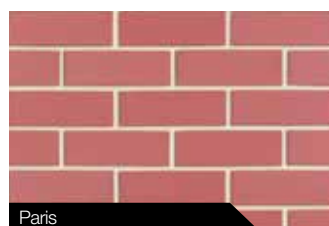
Zinc Shimmer



Cosmic



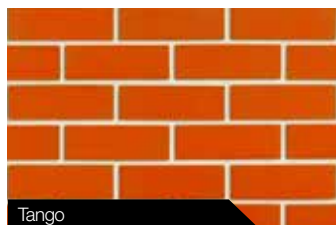
Fizz



Paris



Rhapsody



Tango



Wasabi



Watermelon

## Vibrant

\* Other bricks from the PGH Bricks & Paver collections are available on request.

# design & technical support

For technical enquiries email  
[inbrick@pghbricks.com.au](mailto:inbrick@pghbricks.com.au) or call 1300 119 579

## tried & tested

Independent NATA Testing for mechanical embedment strength – exceeding 1Mpa of extraction force  
 InBrick can be used in forms of precast and almost any concrete structure and is non-combustible.





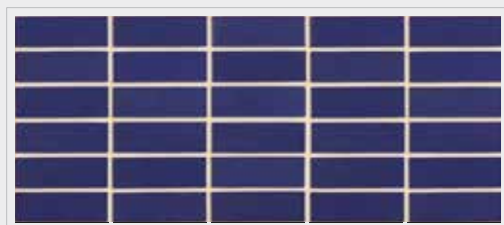
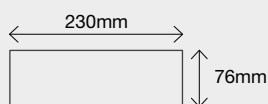


**PGH Bricks & Pavers offer detailed technical, product and design advice and support on the use of InBrick and its applications, from project specification right through to construction, including:**

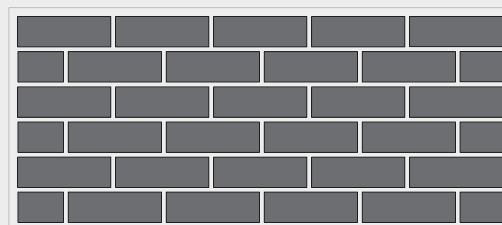
- Specification partnering
- Expert advice for architects, engineers and builders
- Technical support
- Design support
- Brick tile BIM library through [pghbricks.com.au/inbrick/downloads](http://pghbricks.com.au/inbrick/downloads)

# Brick sizes & bond patterns

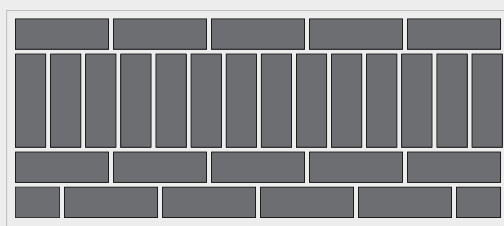
## Standard Brick



Stacked



Stretcher

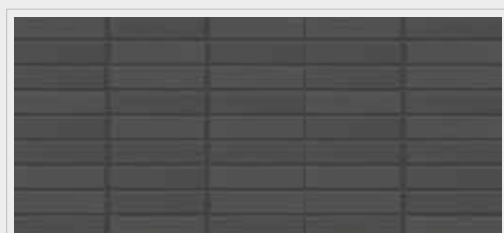
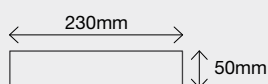


Soldier

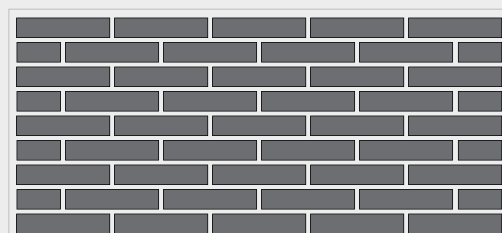


Flemish

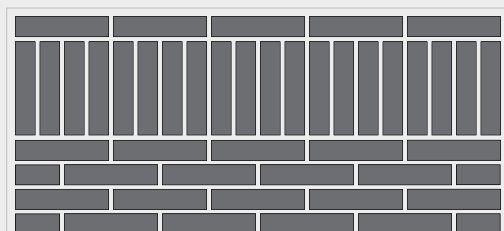
## Split Brick



Stacked



Stretcher

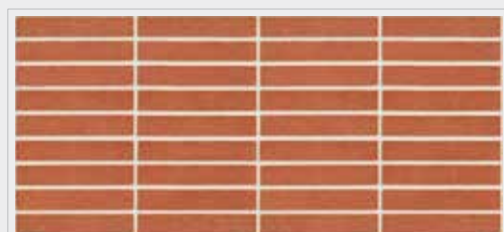
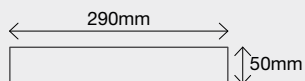


Soldier

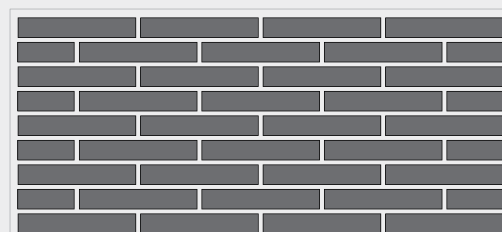


Flemish

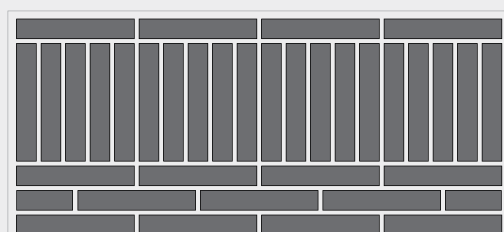
## Linear Brick



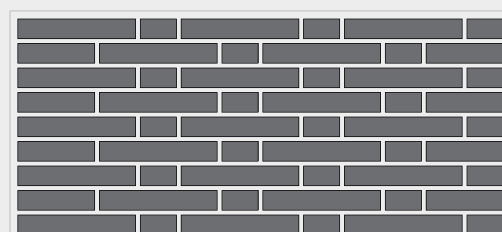
Stacked



Stretcher



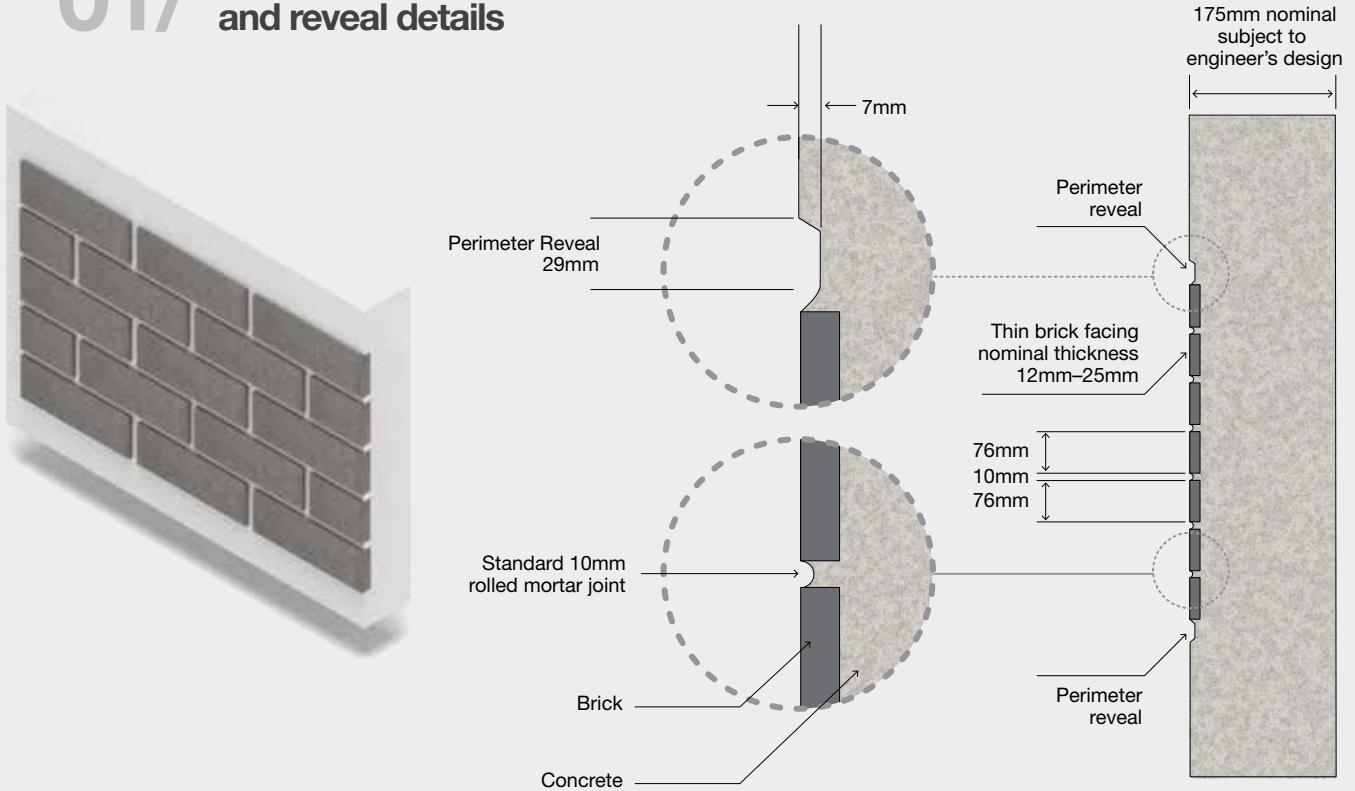
Soldier



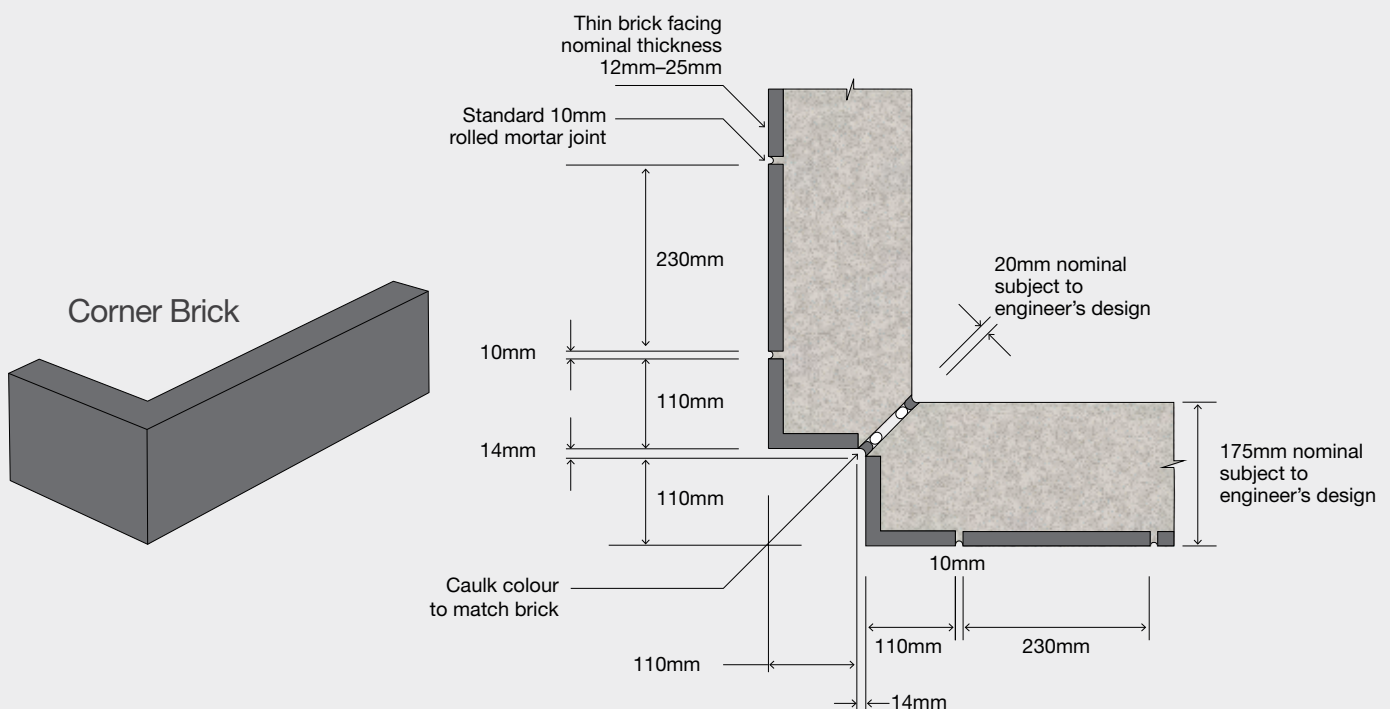
Flemish



## 01/ Mortar joint and reveal details

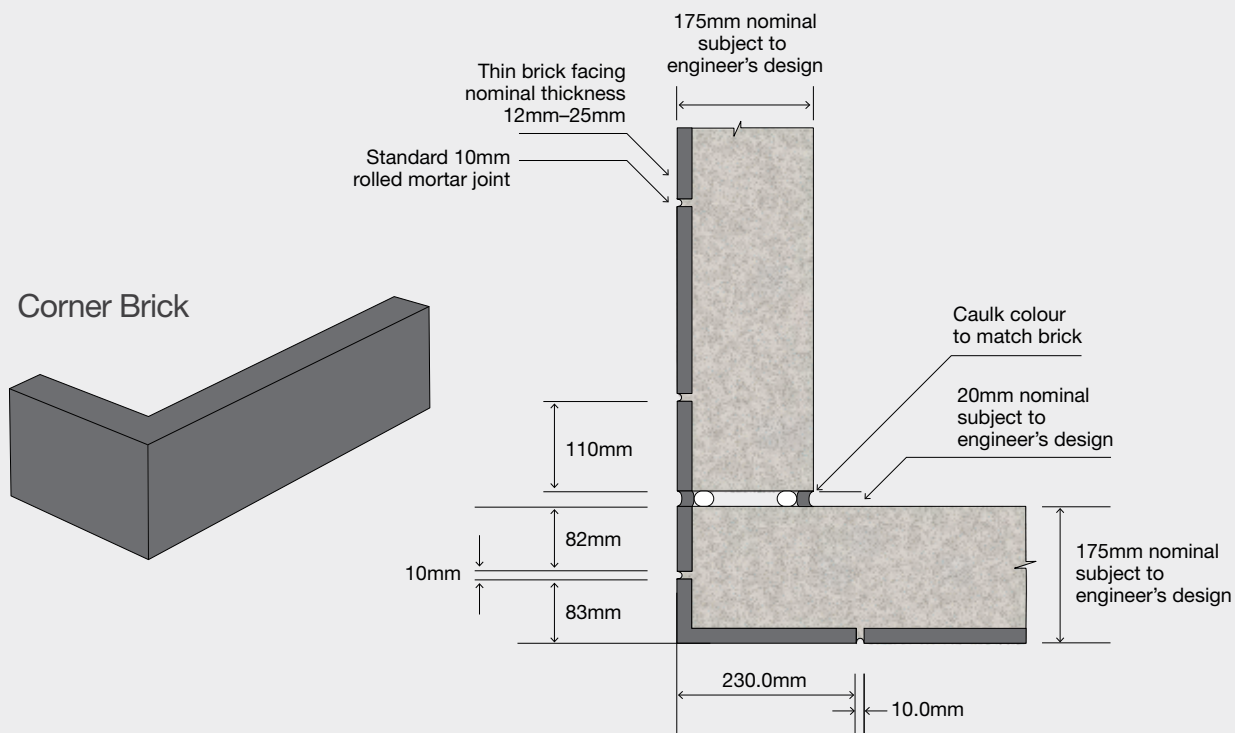


## 02/ Indented Corner Detail

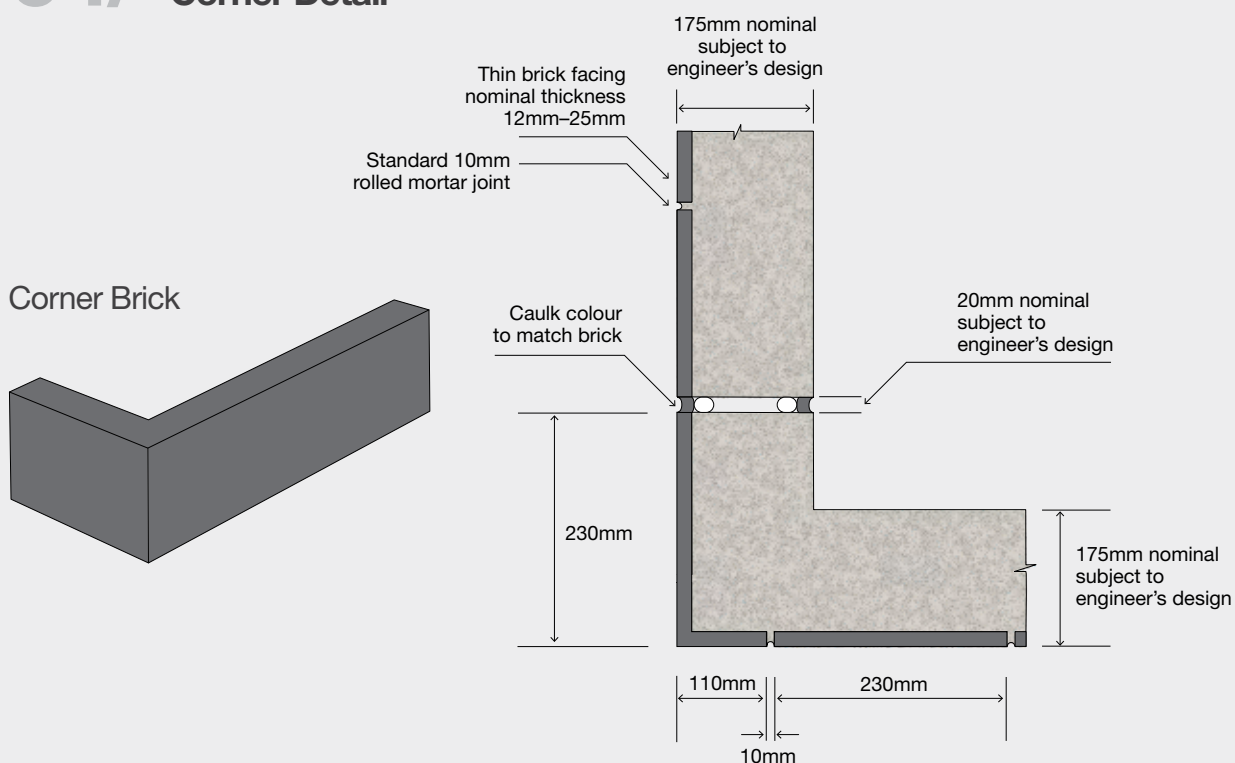


# Technical drawings

## 03/ Wrapped Corner Detail

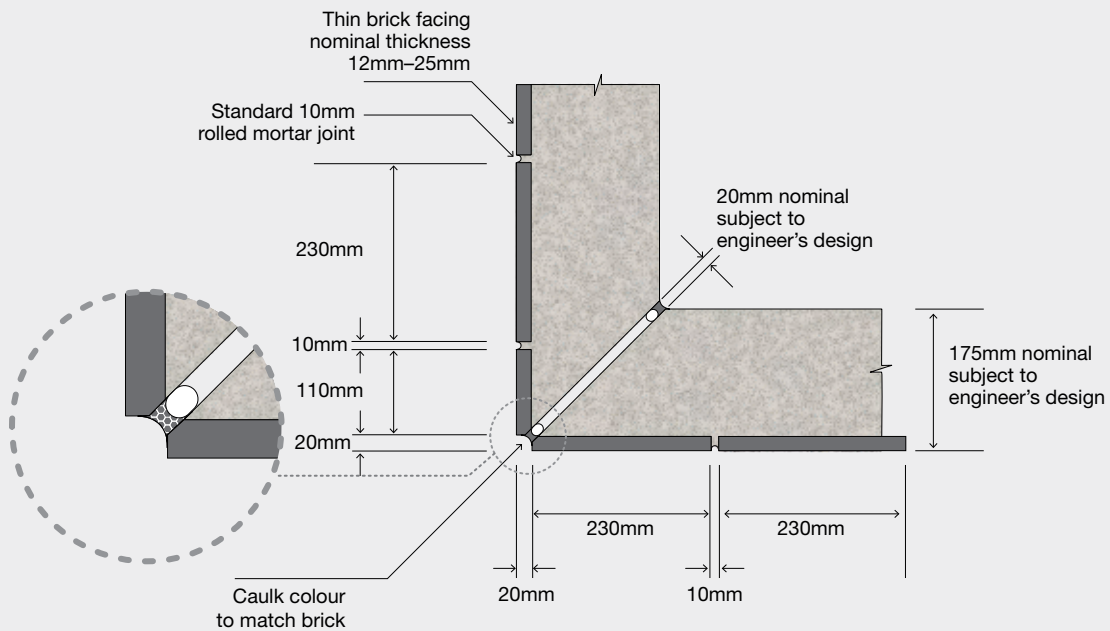


## 04/ Wrapped Corner Detail

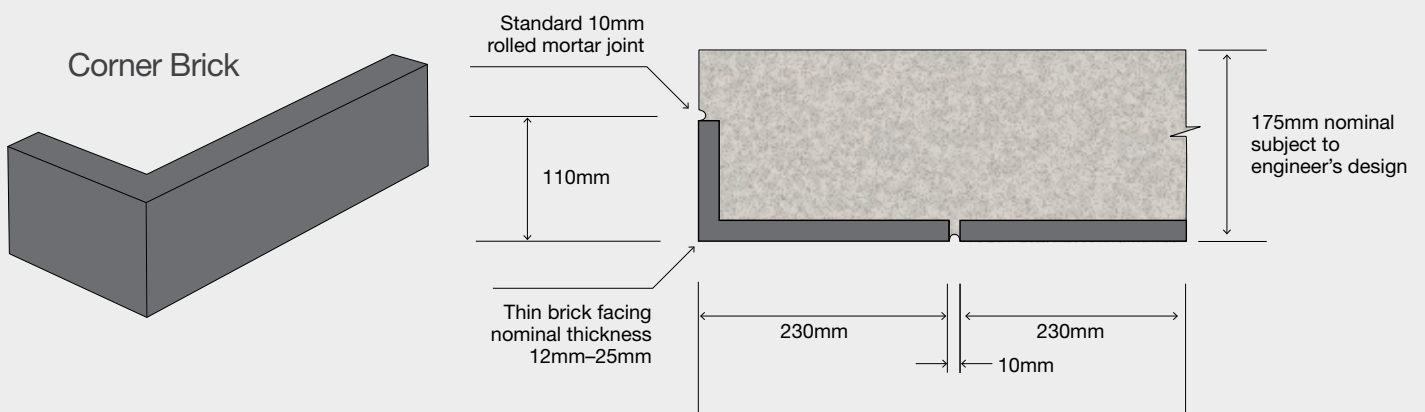




## 05/ Quirk Corner Detail



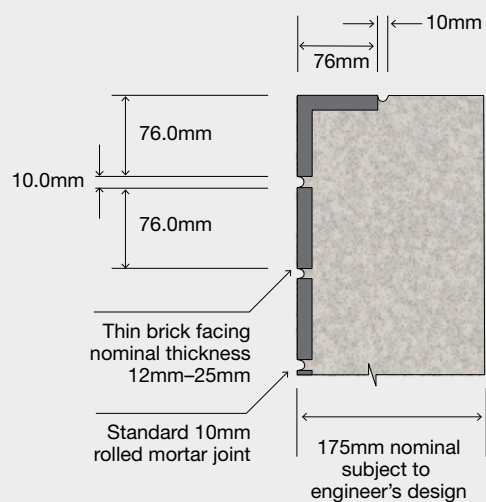
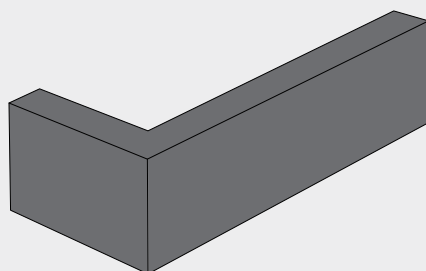
## 06/ Wrapped Jamb Detail



# Technical drawings

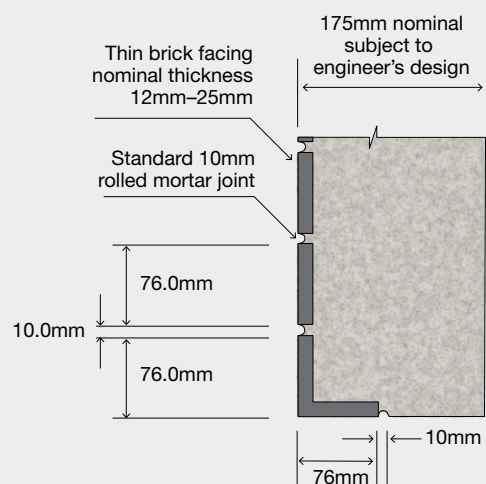
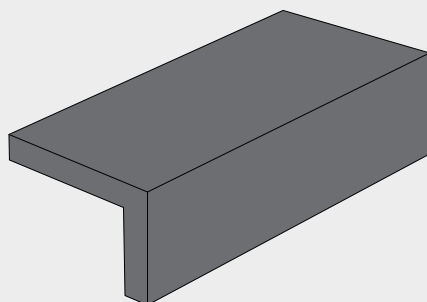
## 07/ Wrapped sill detail w/edge cap

Corner Brick



## 08/ Wrapped header detail w/edge cap

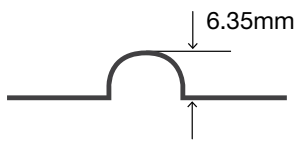
Edge Cap



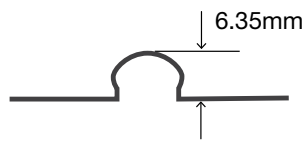


## 08/ Liner Shapes

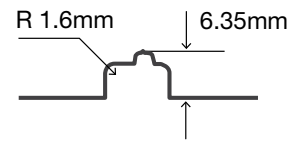
InBrick liner shapes allow for an extensive range of joints, giving true design flexibility and scope to create subtle differences across unique brick facades.



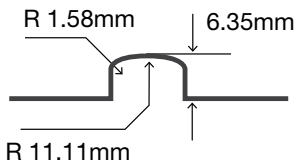
Rolled Joint



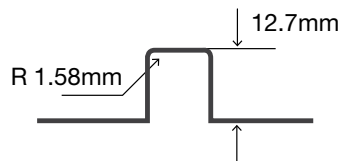
Compression Joint



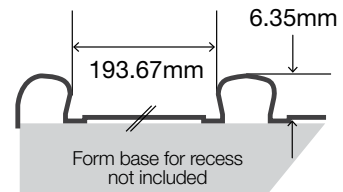
Grapevine Joint



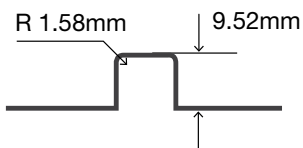
Rake Joint



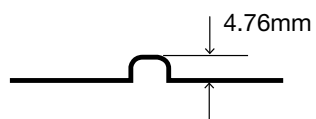
Stone Joint



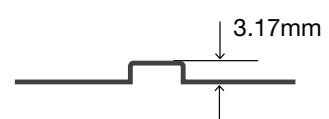
Recessed Joint



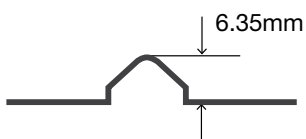
Deep Joint



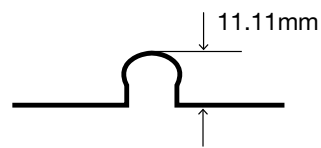
Tile Joint



Shallow Rake Joint



V Joint



Deep Compression Joint



\* Images used show the possibilities of using InBrick in the design and construction of buildings and are not actual buildings built using InBrick.





Dry Pressed – Balmerino Blend. Metallic – Pewter.



\* Images used show the possibilities of using InBrick in the design and construction of buildings and are not actual buildings built using InBrick.





**PGH** BRICKS & PAVERS™

**InBrick**™

For more information contact  
[pghbricks.com.au/inbrick](http://pghbricks.com.au/inbrick)  
[inbrick@pghbricks.com.au](mailto:inbrick@pghbricks.com.au)

1300 119 579



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\* Images used show the possibilities of using InBrick in the design and construction of buildings and are not actual buildings built using InBrick.

For more information contact  
**[pghbricks.com.au/inbrick](http://pghbricks.com.au/inbrick)**  
**[inbrick@pghbricks.com.au](mailto:inbrick@pghbricks.com.au)**

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