



AQUARIAN

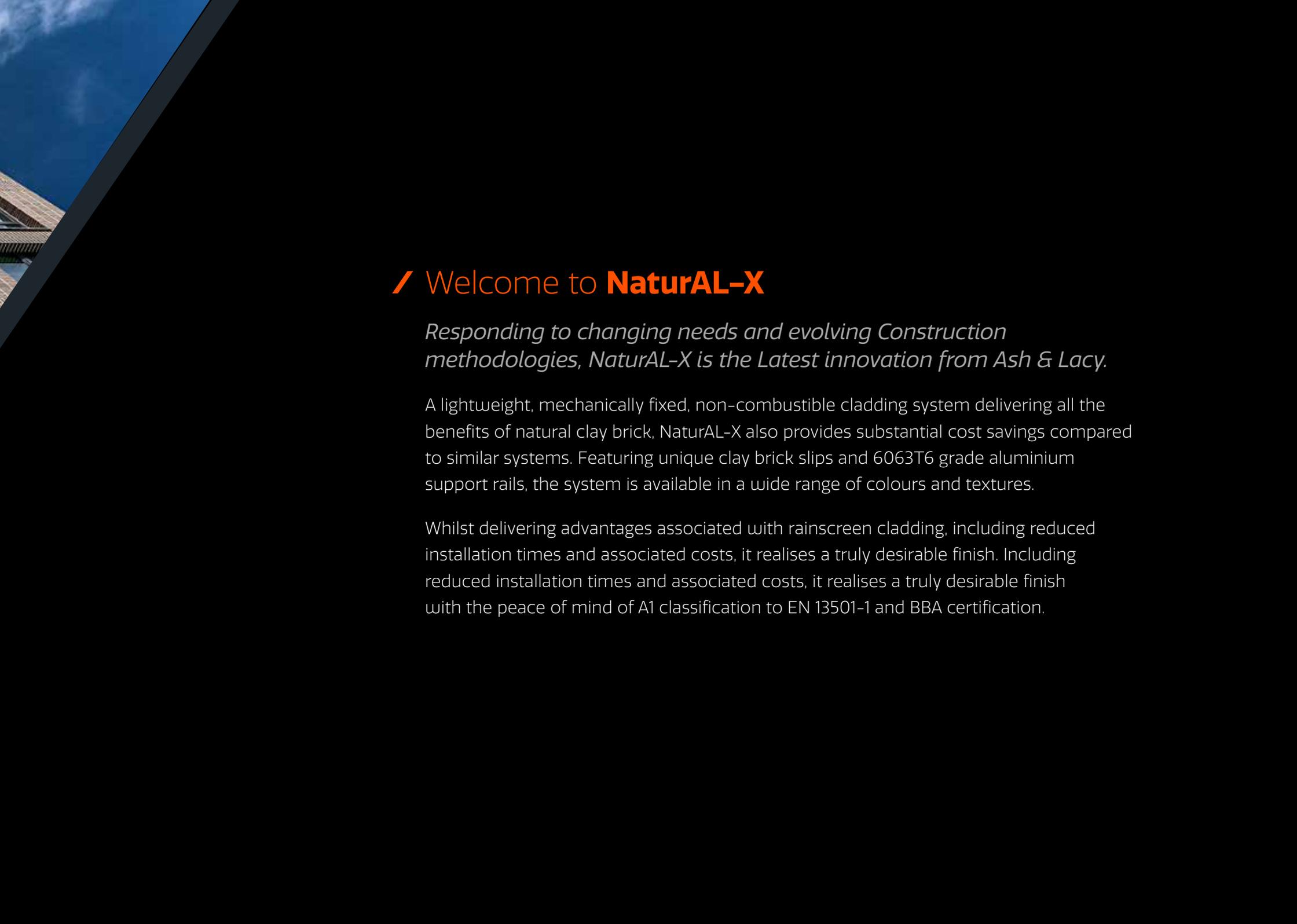
CLADDING SYSTEMS

NaturAL-X

Brick Cladding System Guide

www.aquariancladding.co.uk





/ Welcome to **NaturAL-X**

Responding to changing needs and evolving Construction methodologies, NaturAL-X is the Latest innovation from Ash & Lacy.

A lightweight, mechanically fixed, non-combustible cladding system delivering all the benefits of natural clay brick, NaturAL-X also provides substantial cost savings compared to similar systems. Featuring unique clay brick slips and 6063T6 grade aluminium support rails, the system is available in a wide range of colours and textures.

Whilst delivering advantages associated with rainscreen cladding, including reduced installation times and associated costs, it realises a truly desirable finish. Including reduced installation times and associated costs, it realises a truly desirable finish with the peace of mind of A1 classification to EN 13501-1 and BBA certification.

More than just a perfect finish

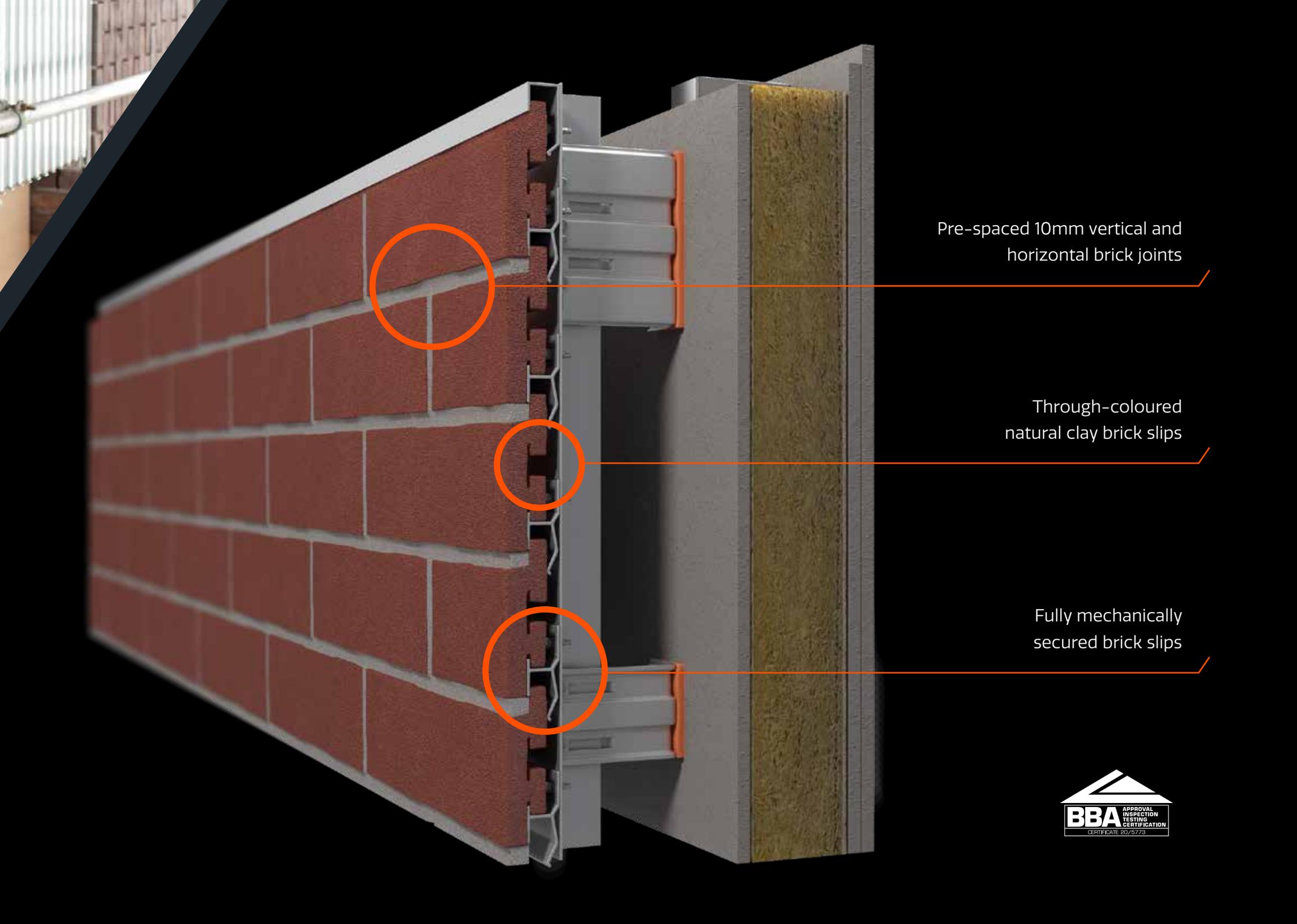
*Delivering the aesthetic appeal of organic clay brick, **NaturAL-X** combines this with the financial savings, reduction in structural load and rapid installation capabilities associated with a lightweight mechanically fixed system.*

It also exceeds the rigorous testing standards developed by the CWCT and carries full BBA certification. **NaturAL-X** eliminates the weather dependency of traditional methodologies too, whilst still providing a wide range of brick colours and textures.

Key Features

- Tough and lightweight 6063T6 grade aluminium
- Compatible with a range of construction methodologies
- Fire tested: Classified A1 to EN 13501-1
- BBA Certified
- NHBC Approved





Pre-spaced 10mm vertical and horizontal brick joints

Through-coloured natural clay brick slips

Fully mechanically secured brick slips



Creating new opportunities

NaturAL-X represents substantial progress in the development of mechanically fixed cladding systems, providing benefits that expand the scope of design and construction for a diverse range of projects.



Durable

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

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.

Simpler

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

The benefits of **NaturAL-X**



20% Cheaper

Provides cost savings of up to twenty percent, compared with similar systems.



50% Lighter

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



100% Fire Tested

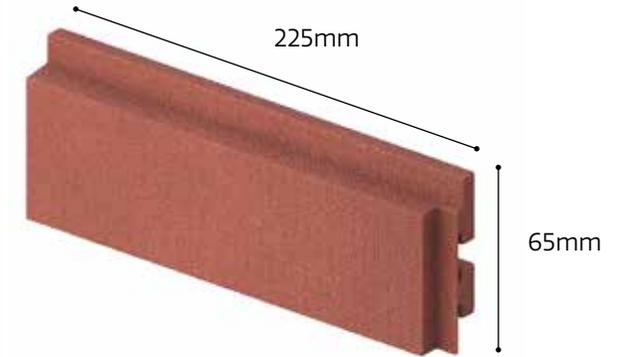
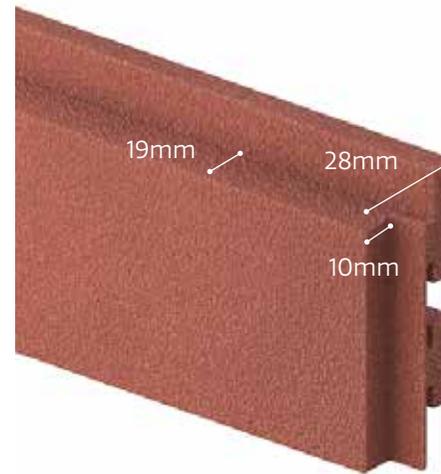
NaturAL-X has been rigorously externally tested and is classified A1 to EN13501-1 standards, giving you the peace of mind of a non-combustible cladding solution.

Components

All the benefits of NaturAL-X are delivered through five dedicated components, a starter, middle and top rail, all extruded from tough, lightweight 6063T6 grade aluminium, plus natural clay facing and corner brick tiles.

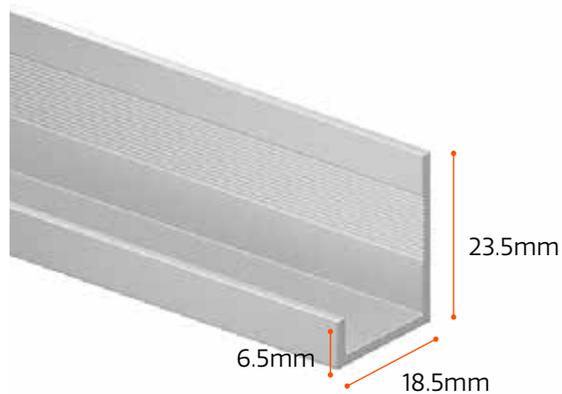
Together, these can be fixed seamlessly to Ash & Lacy's innovative range of AxiAL rainscreen support systems, making the entire design and installation process simple, from concept to completion. Other bespoke components are available on request.

Brick



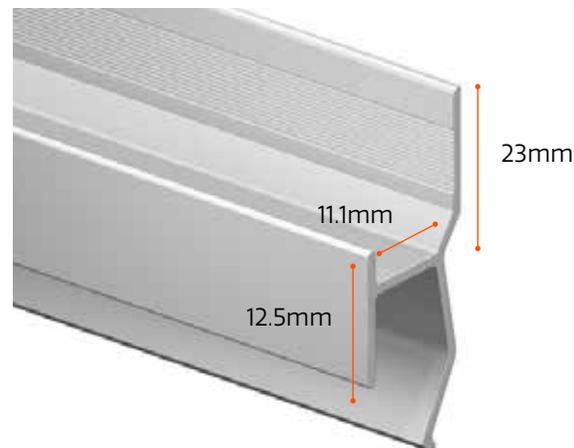
Starter Rail

Available in 3m lengths.



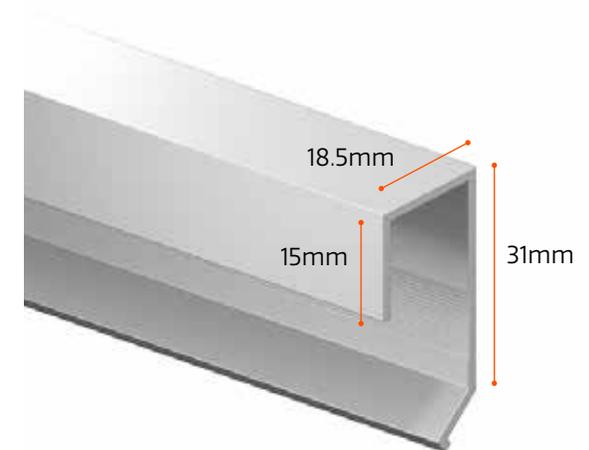
Middle Rail

Available in 3m lengths.

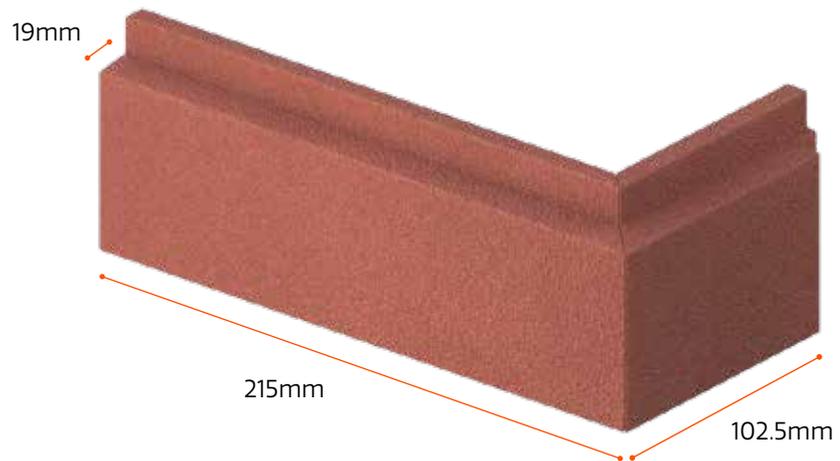


Top Rail

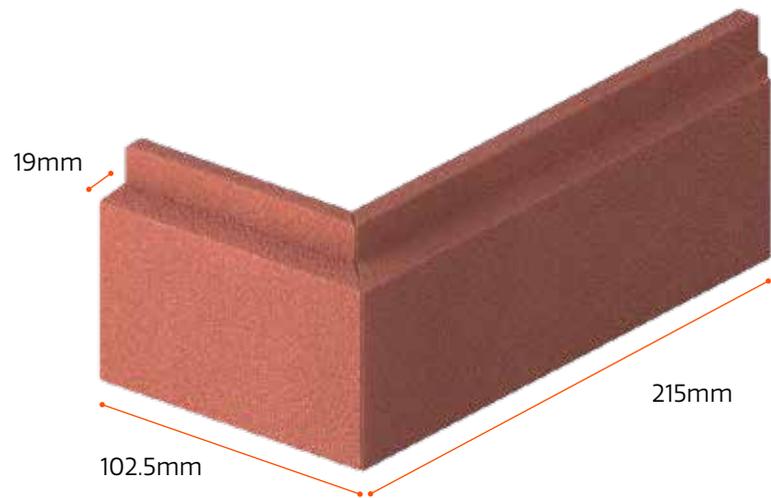
Available in 2m lengths.



Brick Corner (Right Hand)



Brick Corner (Left Hand)



/ Support Systems

Axial Rainscreen Support Systems are designed to deliver exceptional standards for both new-build and refurbishment projects.

Specially engineered to provide a superior level of thermal performance, designers have the reassurance of knowing they meet the highest environmental requirements, while ease of installation and reduced build time help to significantly lower costs.

/ AX1



Aluminium support system suitable for mechanical fixing of cladding elements by means of rivet or screw, with rails used in vertical application

/ AX3



Aluminium support system suitable for mechanical fixing of horizontal and vertical application cassette panels.

/ AX2



Aluminium support system suitable for mechanical fixing of cladding elements by means of rivet or screw, with rails used in horizontal application.

/ AX4



Aluminium support system suitable for rainscreen with a shallow cladding zone and no adjustability requirement.

/ Tested

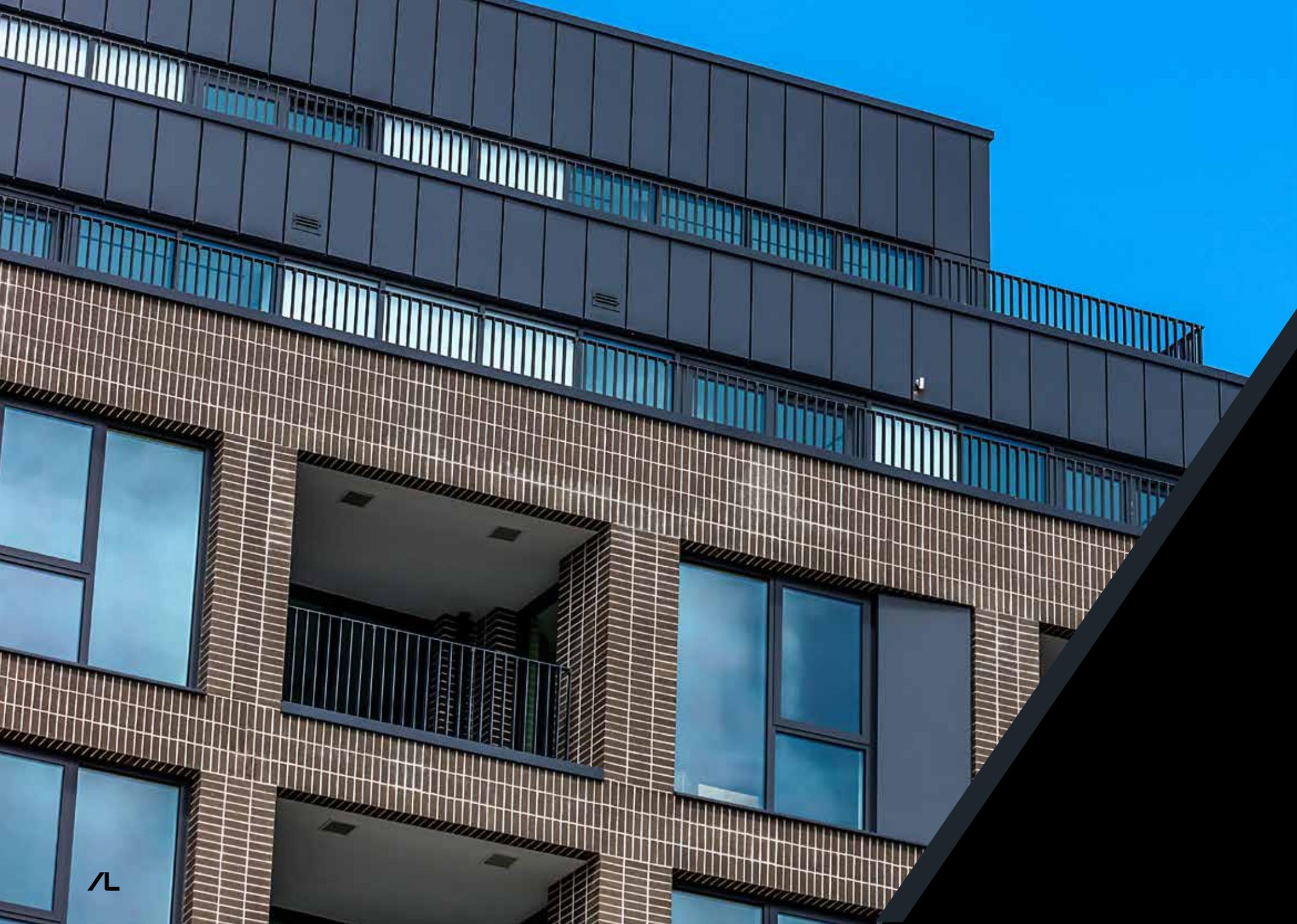
AxiAL Rainscreen Support Systems are classified A1 to EN 13501-1 and are tested in conjunction with a wide range of facade materials to EN 13823 and EN 1716 standards, so you can specify Axial with complete confidence in its performance against fire.

/ Cost Effective

All alloys exceed performance test requirements, yet deliver significant savings (with aluminium brackets using 30% less raw material compared with flat extrusions).



*10 Year
Warranty
included*



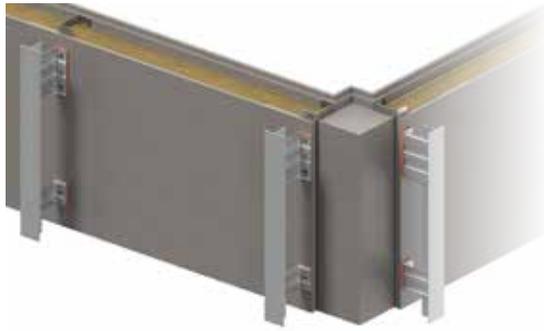
✓ NaturAL-X Installation Guide

Working with NaturAL-X delivers advantages from day one, starting with its lightweight construction decreasing the demand on foundations and reducing 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.

/ Installation Guide

/ Step 1



Mechanically fix NaturAL-X 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.

/ Step 4



NaturAL-X brick tiles have an integrated rebate, consistently setting the vertical perp joint at 10mm. The corresponding 10mm horizontal bed joint is instantly created by the profiled top lip of the adjacent brick tile.

/ Step 5



When installation is complete, simply injection point these joints with Parex Historic mortar to realise a classic clay brick finish.

Step 3



Slip NaturAL-X brick tiles firmly into place, guided by the preformed upper and lower retainers.

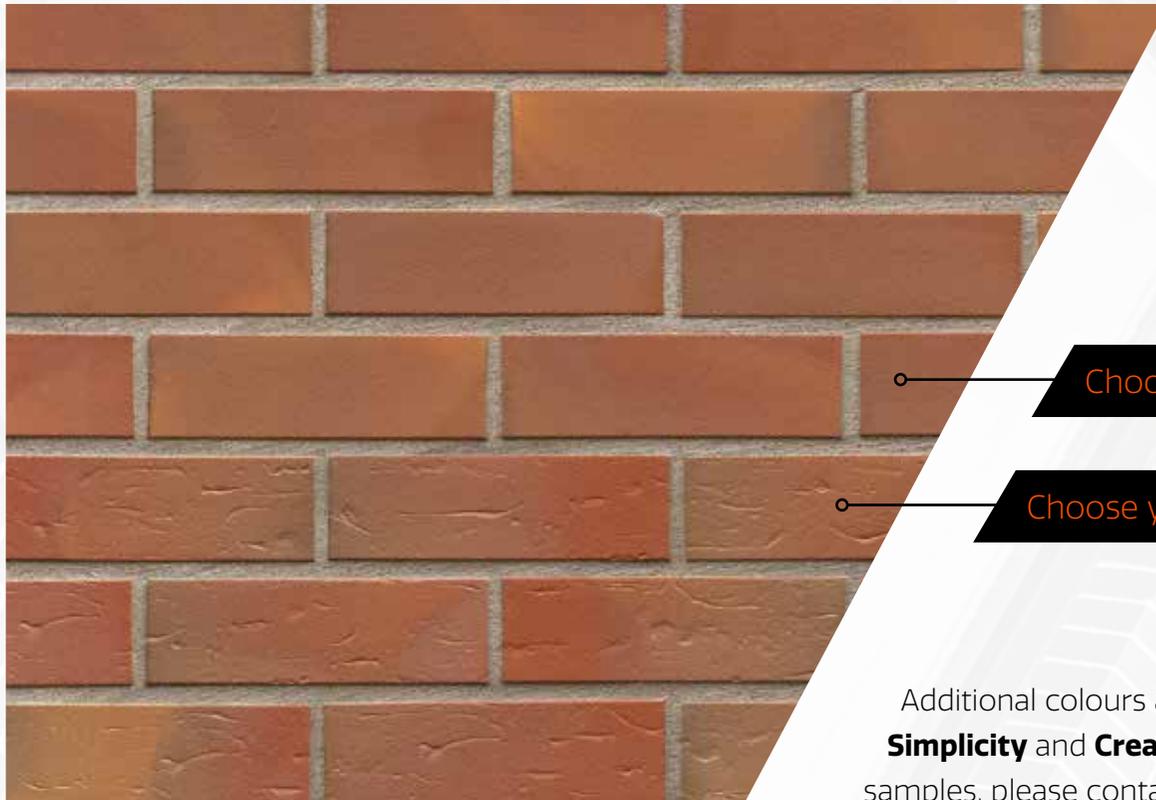
For more information, talk to us today on [0808 223 9080](tel:08082239080) or email info@aquariancladding.co.uk to find out how we can really make a difference.



Releasing your Creativity

NaturAL-X is available in a range of over 20 standard colours, complimented by a variety of textures and surface finishes, with glazed and bespoke blends also available on request.

For further information on our **Simplicity** and **Creativity** ranges, or to request samples, please contact us: info@aquariancladding.co.uk



Choose your **Colour**

Choose your **Texture**

Additional colours and textures are available within the **Simplicity** and **Creativity** ranges. To request images or samples, please contact info@aquariancladding.co.uk

Code: **1001** Name: **Hartland**

/ Simplicity Range



Code: **D802C**



Code: **D1023**



Code: **D204**



Code: **SD203**
(Illustrated Right)

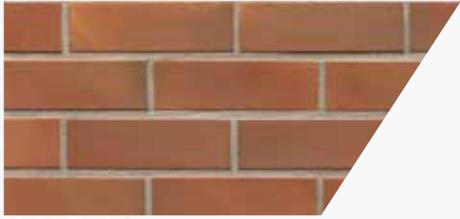


Code: **D702**

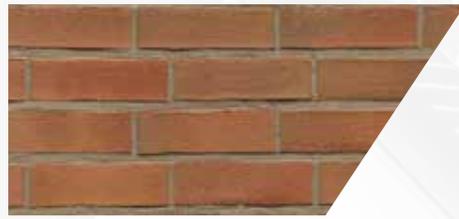
Please note: batch colour variations can occur due to natural raw material variances



/ Creativity Range – Red/Purple



Code: **1001** Name: **Hartland**



Code: **1003** Name: **Babbacombe**



Code: **1005** Name: **Lulworth**



Code: **1007** Name: **Newhaven**



Code: **1002** Name: **Polzeath**



Code: **1004** Name: **Hive**



Code: **1006** Name: **Calshot**

/ Creativity Range – Buff/Yellow



Code: **2001** Name: **Compton**



Code: **2003** Name: **Whitby**



Code: **2005** Name: **Whitecliff**



Code: **2002** Name: **Totland**



Code: **2004** Name: **Seaton**

Please note: batch colour variations can occur due to natural raw material variances.

/ Creativity Range – Grey



Code: **3001** Name: **Rhossili**



Code: **3003** Name: **Broadhaven**

/ Glazed



Code: **N/A** Name: **Glazed White**
More colours available on request



Code: **3002** Name: **Caswell**

/ Creativity Range – Blue/Brown



Code: **4001** Name: **Arbroath**



Code: **4003** Name: **Stonehaven**



Code: **4002** Name: **Lossiemouth**



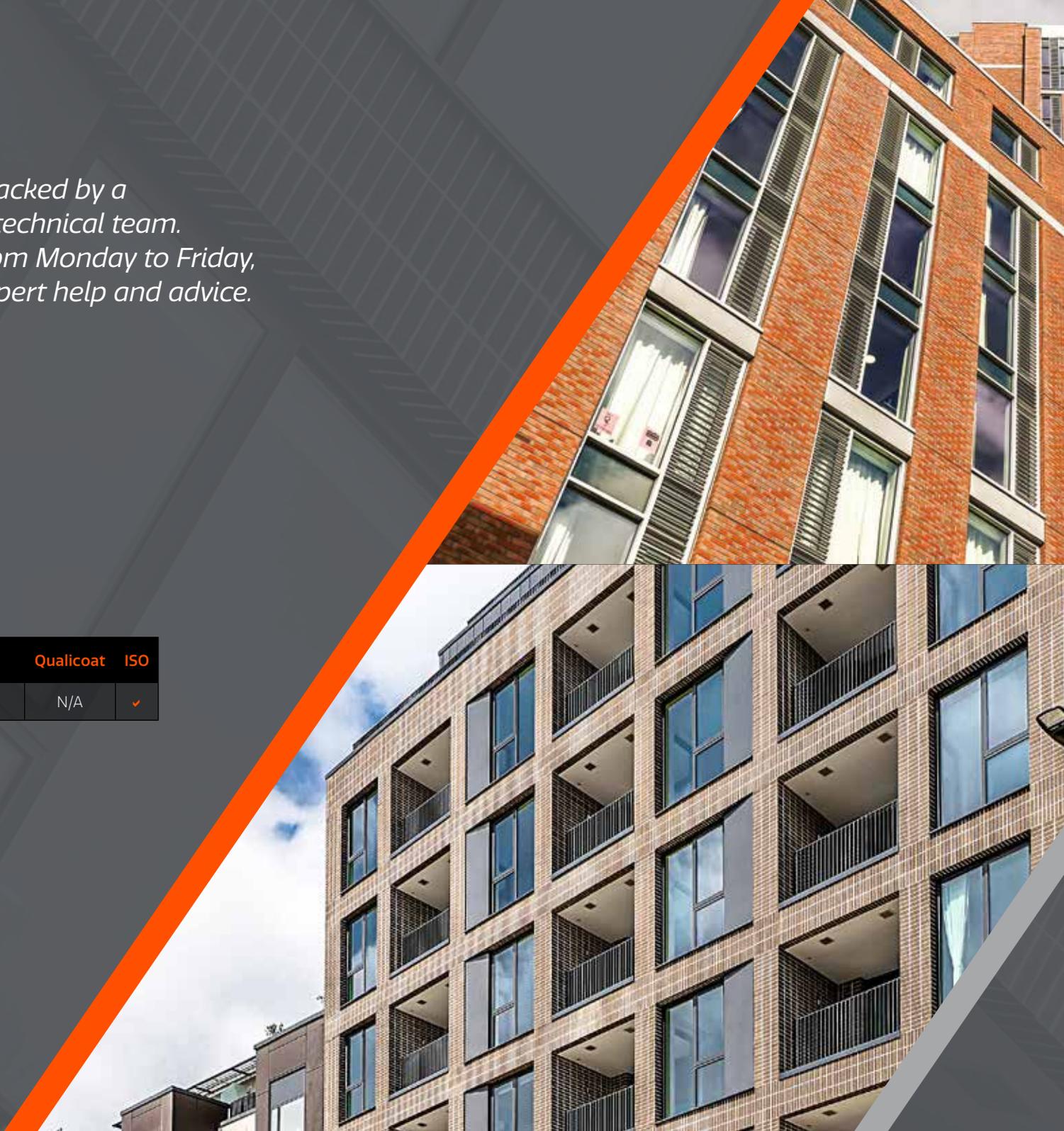
Code: **4004** Name: **Porthluney**

Additional colours and textures are available within the **Creativity** range. To request images or samples, please contact info@aquariancladding.co.uk

Technical Specification

Aquarian Cladding Systems are backed by a knowledgeable and experienced technical team. Available from 9:00am until 5:30pm Monday to Friday, they will be pleased to provide expert help and advice.

| | CWCT | Reaction to fire | Durability | BBA | Qualicoat | ISO |
|-----------|------|------------------|------------|-----|-----------|-----|
| NaturAL-X | ✓ | ✓ | ✓ | ✓ | N/A | ✓ |





| System Properties | | Result |
|----------------------------------|------------------------|----------------------|
| System Weight | n/a | 57kg/m ² |
| Resistance to wind loading | n/a | 2.4kN/m ² |
| Brick Properties | Test Method | Result |
| Frost resistance | EN ISO 10545-12:1997 | n/a |
| Absorption | EN ISO 10545-3:1995 | n/a |
| Breaking strength | EN ISO 10545-4:2014 | n/a |
| Thermal expansion | EN ISO 10545-8:2004 | n/a |
| Reaction to fire | EN 13501-1 | n/a |
| Brick Criteria | Test Method | Result |
| Standard brick face dimensions | n/a | 215mm x 65mm |
| Corner brick face dimensions | n/a | 102 x 215 x 65mm |
| Brick thickness | n/a | 28mm |
| Design Criteria | Test Method | Result |
| Maximum vertical support centres | 600mm | n/a |
| Maximum bracket centres | 600mm | n/a |
| Brick rail length | 3000mm | n/a |
| Top rail length | 3000mm | n/a |
| Starter rail length | 3000mm | n/a |
| Bracket adjustment range | 45mm - 335mm | n/a |
| Movement joints | Maximum 6m | n/a |
| Building substrates | Masonry, Concrete, SFS | n/a |

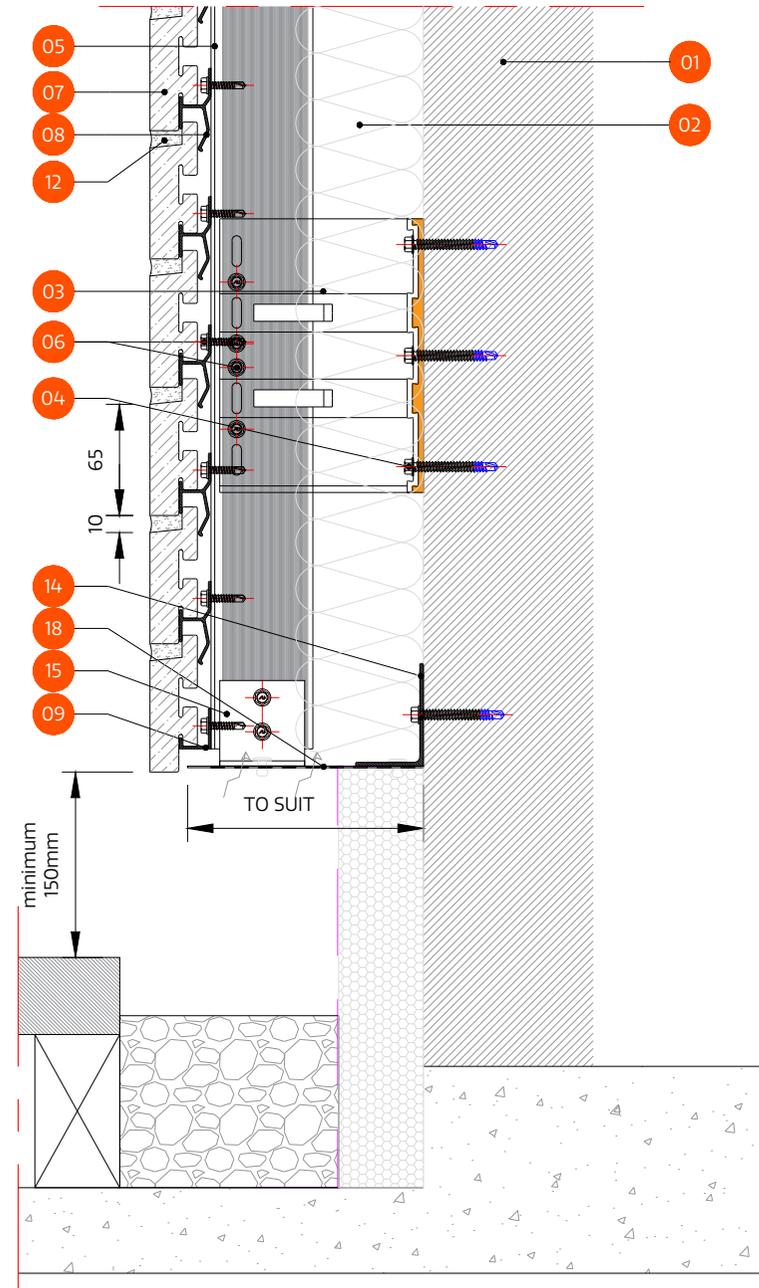
For additional technical information please contact info@aquariancladding.co.uk



NX Base Junction

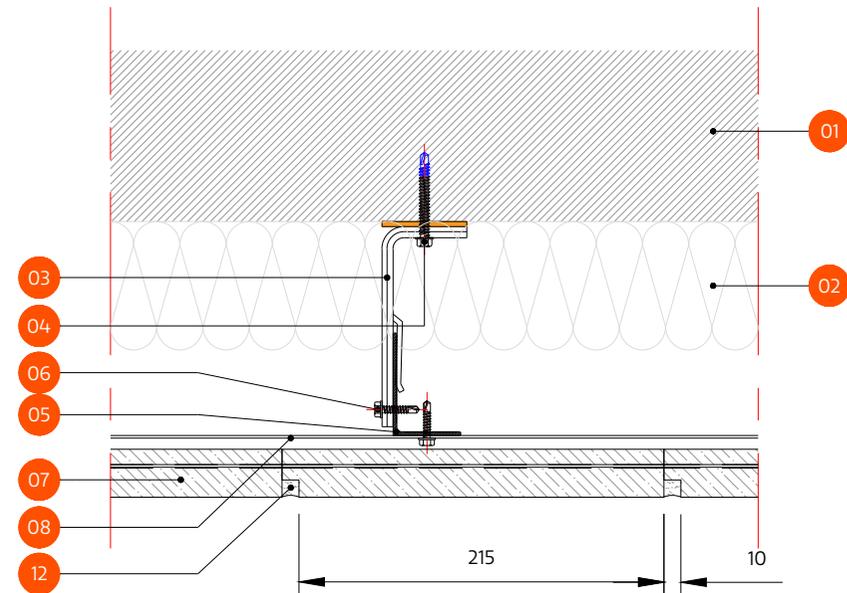
- 01 Substrate (by others)
- 02 Insulation (by others)
- 03 Bracket
- 04 Bracket/Wall Fixing (Depends on Substrate)
- 05 Mullion
- 06 Support System/Brick Rail Fixing
- 07 NaturAL-X Brick Slip
- 08 Intermediate Brick Rail
- 09 Brick Start Rail
- 10 Brick Top Rail
- 11 Horizontal Bracket Adaptor
- 12 Mortar Joint
- 13 Sealant on back-up filler
- 14 Aluminium Angle
- 15 Cleat (to be site cut)
- 16 F Trim Support
- 17 Window Flashing
- 18 Ventilated Section
- 19 Vent Brick Slip
- 20 Coping to suit project
- 21 Damp Proof Course
- 22 Stainless Steel Bracket
- 23 Stainless Steel Mullion
- 24 Stainless Steel Bracket/Mullion Fixing
- 25 Stainless Steel Start Rail
- 26 Stainless Steel Top Rail
- 27 Aluminium Brick Slip
- 28 Bird Beak Flashing

Note: All fixings, insulation and membranes indicated are for guidance only and need to be checked for each individual project.



NX Horizontal Joint

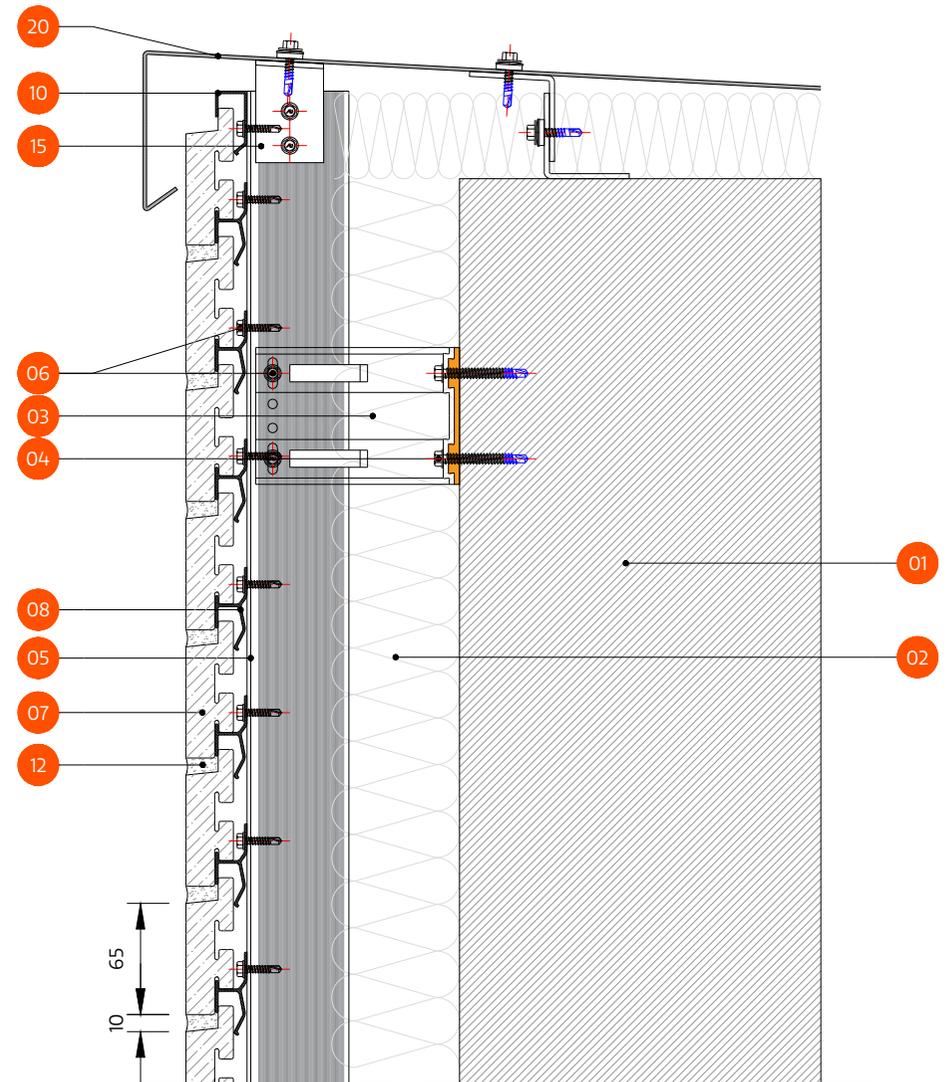
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NX Parapet Junction

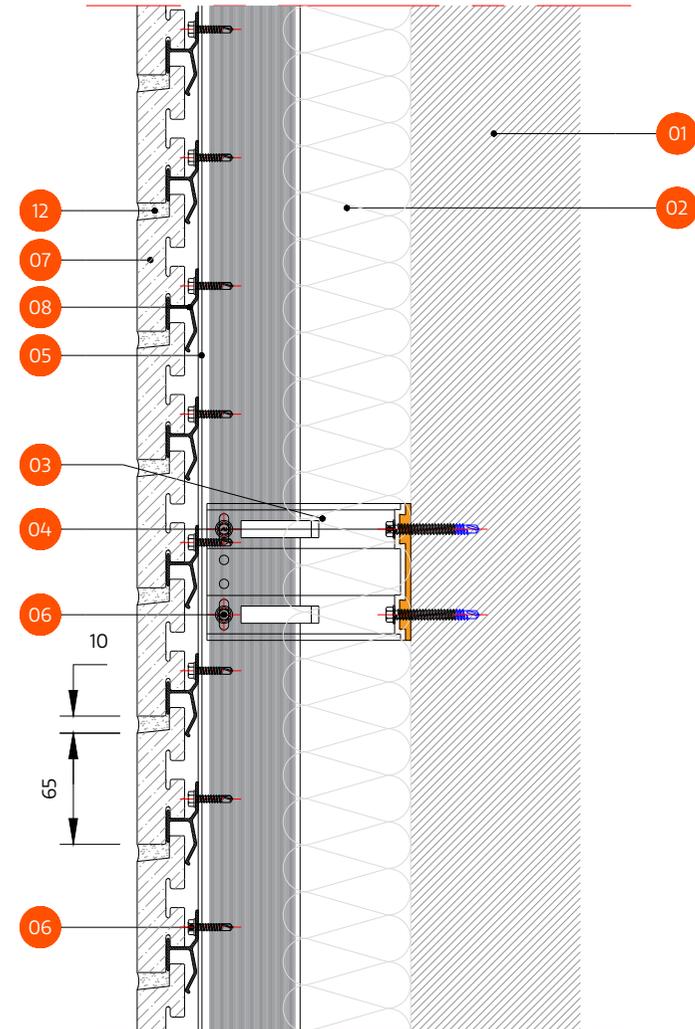
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NX Vertical Joint

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- 02 Insulation (by others)
- 03 Bracket
- 04 Bracket/Wall Fixing (Depends on Substrate)
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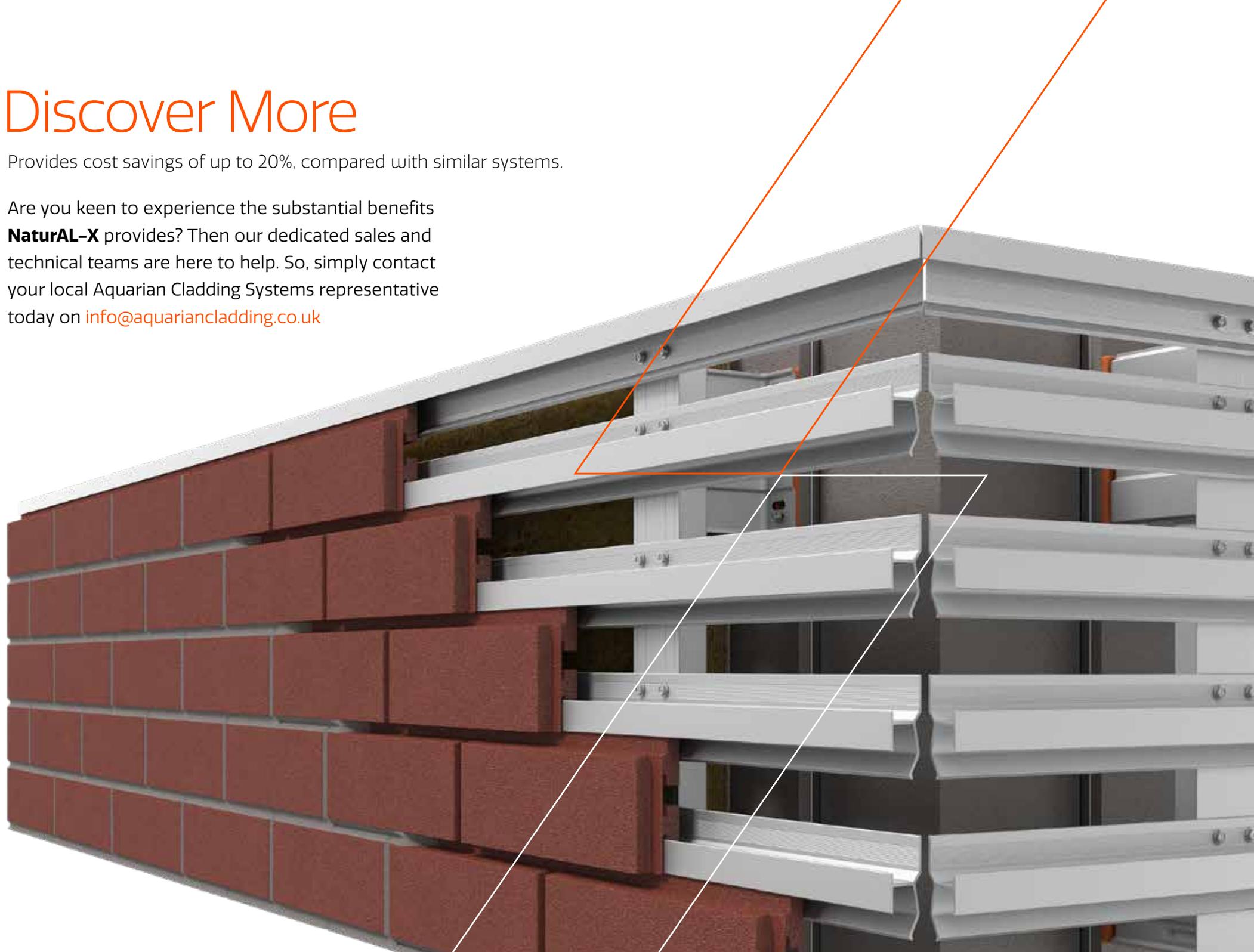


Note: All fixings, insulation and membranes indicated are for guidance only and need to be checked for each individual project.

Discover More

Provides cost savings of up to 20%, compared with similar systems.

Are you keen to experience the substantial benefits **NaturAL-X** provides? Then our dedicated sales and technical teams are here to help. So, simply contact your local Aquarian Cladding Systems representative today on info@aquariancladding.co.uk



✓ Bailey Point, Bournemouth

BAILEY
POINT

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