

Engineered facades
for modern construction



Mauerwall



Discover how Mauerwall can transform your next project...

mauerwall.com

Mauerwall

Brick re-engineered for modern construction

Optimised for timber frame, light gauge steel frame and SIPS, Mauerwall combines design customisation, rapid installation and ultra-low embodied carbon, with certified durability.

Product

High performing, non-combustible engineered facade panels composed of durable mesh-reinforced mineral polymer and calcium silicate fibre cement board.

Applications

Designed as a light weight external cladding for both new build and existing residential and commercial buildings.

Mauerwall is applicable onto a wide range of construction types including: structural timber frame, light gauge steel frame, masonry, and concrete panel construction. For use with cavity construction buildups, with or without insulation.

Suitable for use in all weather exposure zones and in high impact areas including ground floors in public spaces.

Mauerwall is non-combustible (A2-s1-d0) and when applied onto substrates with an equivalent or better fire classification, the product can be used without any restrictions on building height or boundaries in accordance with National Building Regulations.

Performance and Features



Service life in excess of 60 years

Tested to European standards and covered by KIWA BDA Agreement.



Non-combustible

A2-s1-d0 fire classification (BS EN13501-1).



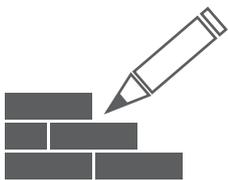
Very severe weather resistance

Suitable for all exposure zones including areas subject to 'very severe' driving rain (BS 8104).



High impact resistance

Category 1 European Classification - suitable for ground floor application within public spaces.



Unlocks design opportunity

Achieve a wide range of brick types, masonry types, bonds, architectural masonry details and features simply and more affordably.



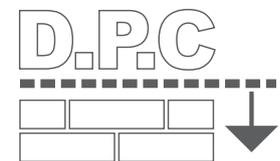
Less embodied carbon than brick

Up to 50% reduction in embodied carbon compared to a traditional clay brick facing wall.



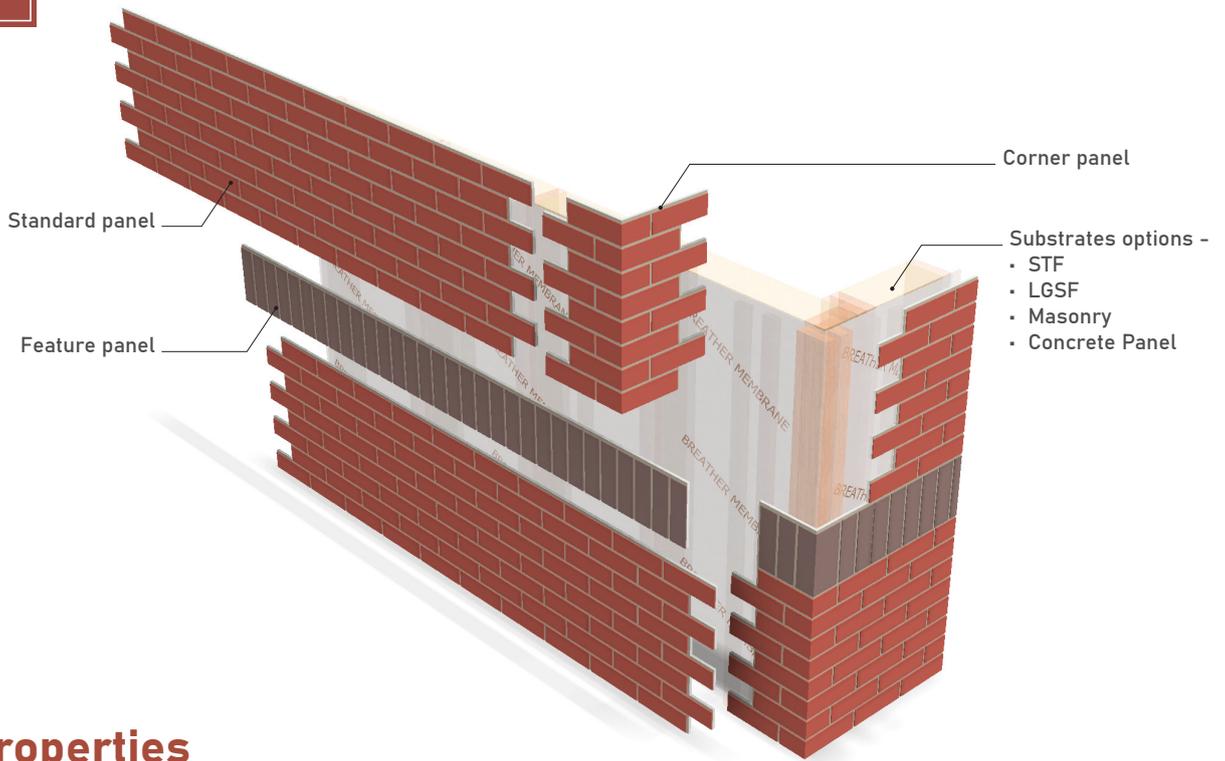
Rapid install in all weather

With up to 160 pre-pointed bricks installed in one lightweight panel, in all weather, the install is multiples faster than traditional masonry.



Use below damp proof course

Can be installed below damp proof course but above ground level, simplifying the ground floor interface and construction sequencing.



Panel Properties

Thickness	13 mm (average 4mm finish onto 9mm calcium silicate fibre cement board)
Size	Max. 1200(W) x 2400(L) mm
Weight	22 Kg/m ²
Thermal Conductivity	0.24 W/mK
Horizontal fixing centres*	Max. 600 mm centres
Vertical fixing centres *	Max. 225 mm centres

*Refer to Mauerwall fixing guide for further information

Panel Types

Standard panels (max. 10 bricks long x 16 bricks high)

External corner panels - left and right handings providing +/- 10mm of length adjustment

Height adjustment panels - + 5 mm of adjustment

Standard corner reveals - left and right handings

Feature header panels - soldier course headers, arches, voussoirs, stone lintels

Feature cill panels - soldier course cills, stone cills

Feature corner reveals - stack bond surround, stone surround

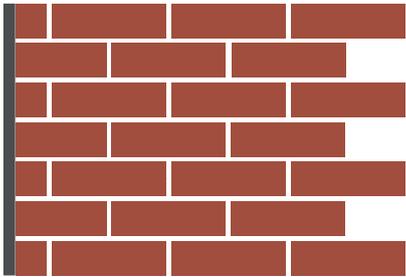
Feature projecting brick detail panels - Max 10 mm projection available for various brick details



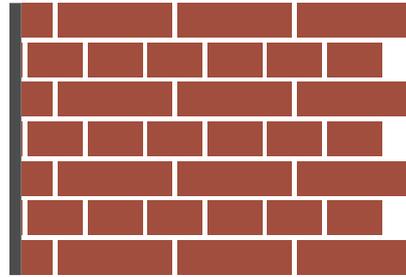
Brick Format

Standard	65(h) x 215(l) mm
Roman	40(h) x 440(l) mm
Pointing joint size	10 mm
Pointing profile	Recessed

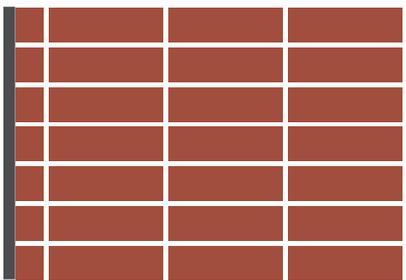
Typical Brick Bonds



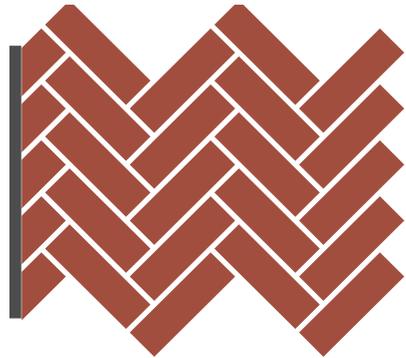
Stretcher Bond (Standard)



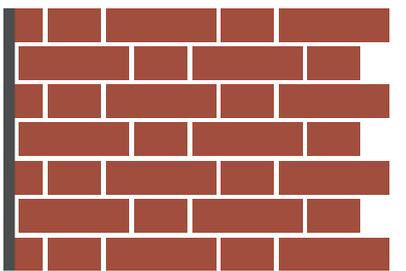
English Bond



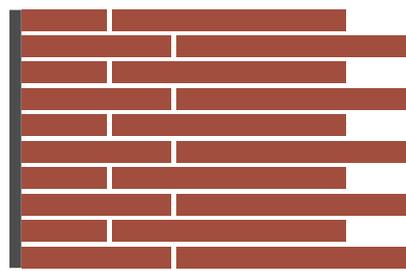
Stack Bond



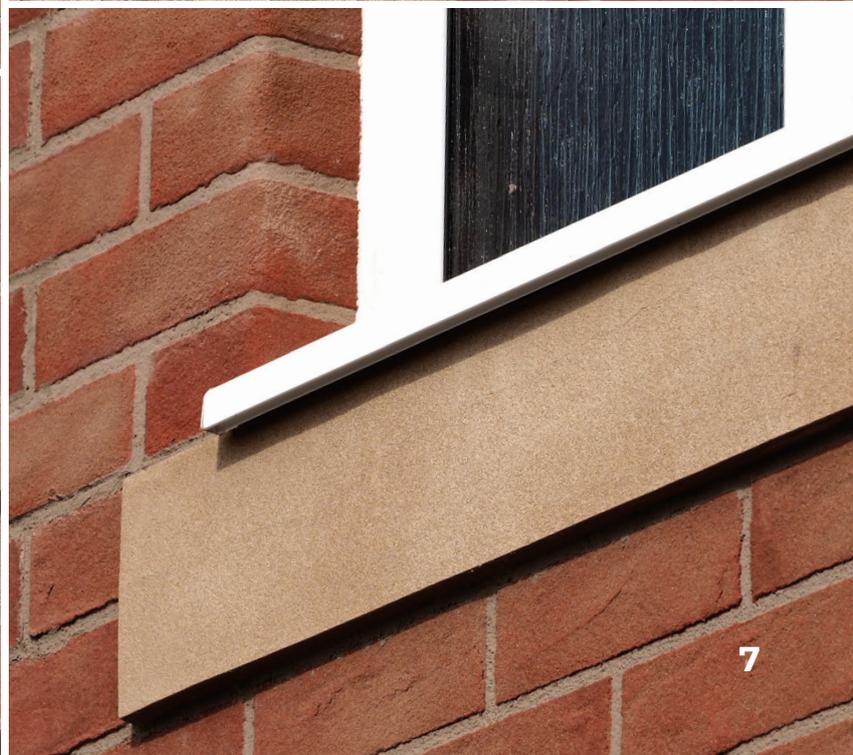
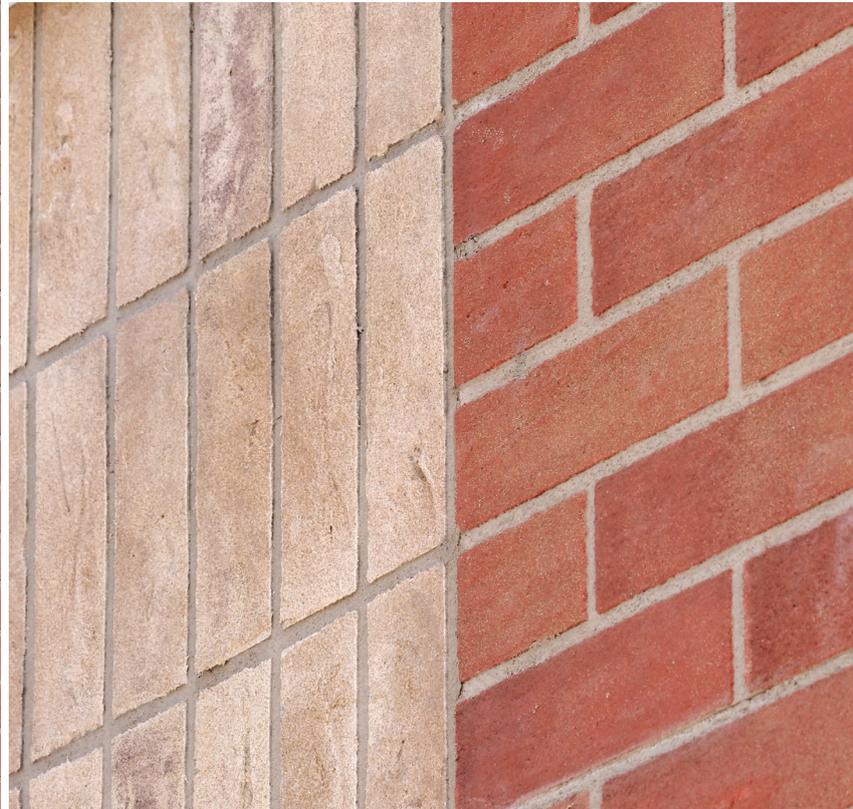
Herringbone
(Available on selected brick types)



Flemish Bond



Roman stretcher
(Quarter length stagger)



Contact

Mauer Solutions UK
Units 1-6 Kingsforth Business Park
Kingsforth Road
Thurcroft
Rotherham
S66 9HU



 www.linkedin.com/company/mauer-limited

enquiries@mauerwall.com
www.mauerwall.com

