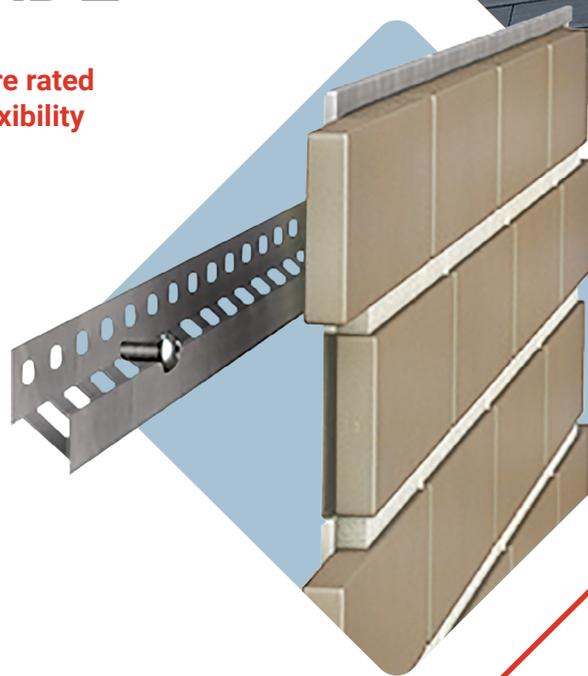


WWW.STOFIX.CO.UK

# PIONEERS OF PRE POINTED BRICK FAÇADE

The only brick façade that is fire rated  
over 18m and gives you the flexibility  
to choose almost any brick



**STOFIX**

# UNIQUE, PRE-POINTED SYSTEM



Stofix Ltd. design and manufacture the industry's most innovative brick slip cladding solution.

Stofix is the only brick façade that is fire rated over 18m with no height restriction and gives you the flexibility to choose almost any brick.

Our unique system is pre-pointed and constructed off-site, reducing the need for time-consuming pointing on-site. Our patented system is mechanically fixed and utilises a metal backing plate to ensure reliability and durability. The lightweight brick slip panels are suitable for new construction, renovation projects and unitised frameworks.

Founded in 1993, Stofix is well established throughout Europe, Scandinavia, USA and in 2018, Midlands-based Caxton Builders Ltd. was appointed the exclusive UK and Ireland distributor. With over 900 installations worldwide, Stofix guarantees the longevity of the product which has a 60-year design life.



20-YEAR  
MANUFACTURE  
WARRANTY



END-TO-END  
CONSULTANCY



BBA  
CERTIFIED



60-YEAR  
DESIGN LIFE

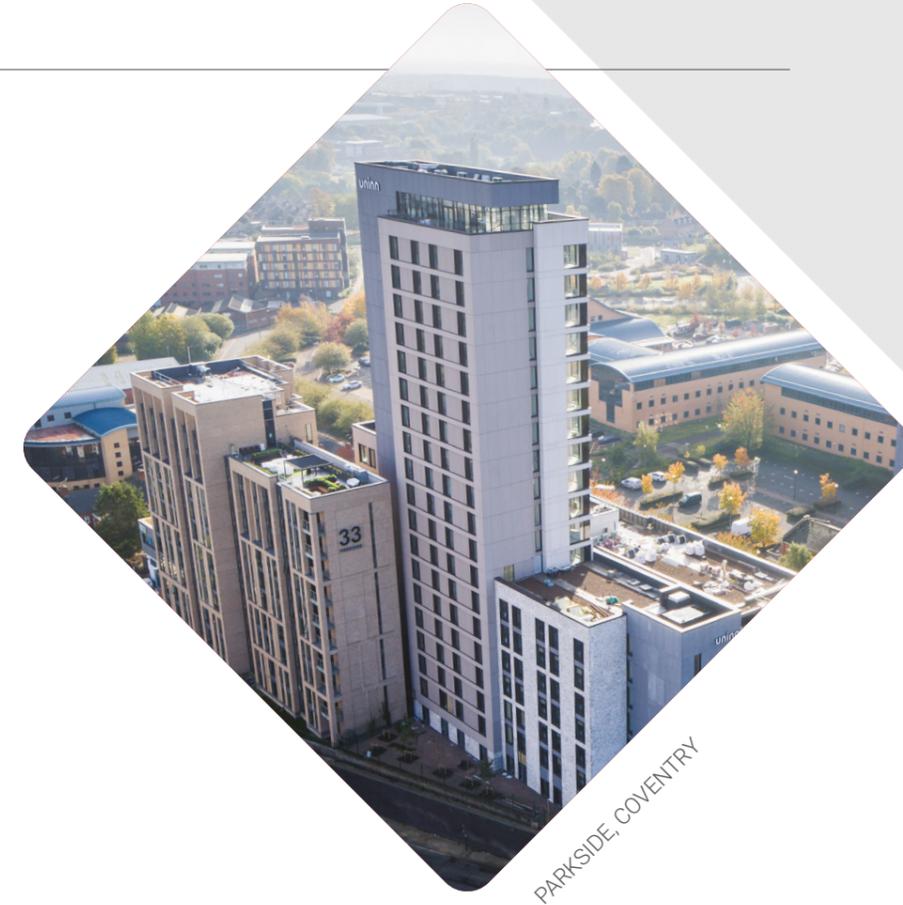


DESIGN  
RESPONSIBILITY

# SAFETY STANDARDS

Stofix is certified by BBA and BSI to A2; S1 Fire Safety Standards, as defined by national Building Regulations.

The product contains 3% polymer (hence the A2; S1 category) so the pre-pointed and premortared system can be efficiently installed regardless of harsh weather conditions.



# PREFABRICATED AND PREMORTARED

Stofix brick cladding is prefabricated and premortared which eliminates the need to fix individual brick slips on-site.

Stofix saves a substantial amount of installation time and labour.

**Our system is manufactured on manual production lines to ensure a quality and consistent finish across all panels. Manufacturing and pointing the panels in dry, controlled conditions minimises the chances of efflorescence in the product, leaving the faces of the bricks and mortar stain free. It also reduces material wastage.**

## EFFICIENT INSTALLATION

The completed panels are delivered on-site ready to be installed quickly and efficiently using a unique modularised mounting system. The installed panels require minimal pointing (mortar is supplied) and the brick panel joints are grouted to create a high-quality, finished surface.

## AVOID UNFORESEEN DELAYS

With the majority of work already complete, Stofix saves a substantial amount of installation time and labour. Unlike other brick slip systems which are not premortared, Stofix can be installed regardless of cold temperatures so unforeseen delays are limited.

# VENTILATED AND SEPARATED STRUCTURE

Stofix is a ventilated, separated structure.

**The brick slip panel is mounted onto the rails of the system which leaves a wall-wide cavity between the insulation or the load bearing wall. A separated structure prevents the forces from the structural movement of the building to impact the brick slip cladding.**

## WEATHER RESISTANT

The weather resistant system remains dry which extends the functional life of the product. Well-engineered cavity structure enables functional water flow direction even in extreme conditions and wall-wide ventilation allows old, moistened structures to recover.

## STRUCTURAL LOAD

Stofix can be fixed to any load bearing structure which can take the load of approx. 48kg/m<sup>2</sup> and the rails of the mounting system can be mounted directly to timber, concrete and steel. Stofix is over 50% lighter than traditional masonry, substantially reducing structural load.

Stofix is over 50% lighter than traditional masonry, substantially reducing structural load.

# PRODUCT BENEFITS



FIRE RATED OVER 18M



NO HEIGHT RESTRICTIONS



FLEXIBILITY TO CHOOSE ALMOST ANY BRICK



PREFABRICATED AND PREMORTARED OFF-SITE



METAL BACKING PLATE ENSURES RELIABILITY AND DURABILITY



EFFICIENT INSTALLATION MINIMISING LABOUR COSTS

# WIDE RANGE OF GENUINE BRICKS

Stofix utilises almost any brick, giving architects and designers an extensive choice of colour, size, texture or bond. This enables the freedom to create a specific brick design or to appear in keeping with existing brick buildings. Stofix combines traditional brick exterior surfaces with modern mounting techniques.

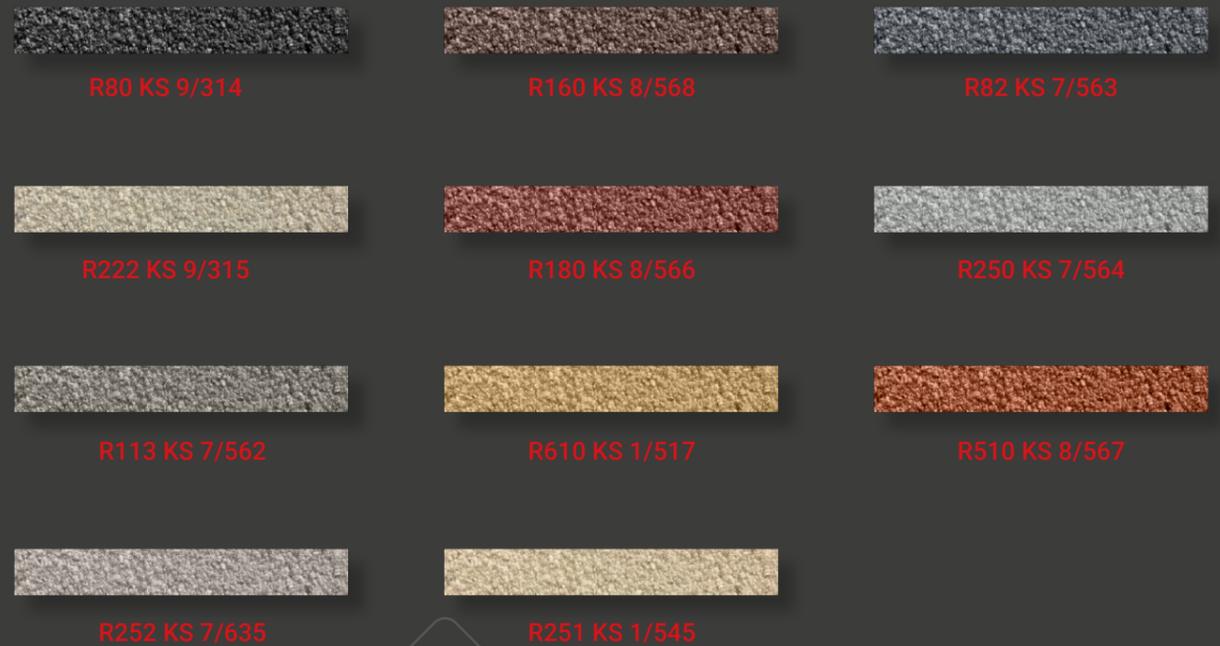
We only use genuine, high quality, weatherproof, kiln-fired brick surfaces manufactured by reputable suppliers. Stofix doesn't look different from traditional brick masonry walls at the window reveals and corners. Pre-dimensioned pistol slips are used in doorways, window openings and other exterior corners.

## BRICK COLOURS

This is just a small selection of some of our most popular colours. Please ask us for further details.



## MORTAR COLOURS



# INSTALLATION

Stofix brick cladding panels can be fixed to any load bearing structure which can take the load of approx. 48kg/m<sup>2</sup>. Plus the rails of the mounting system can be mounted to insulated or non- insulated solutions.

## INSTALLATION RAIL

The installation rail bears the weight of the brick cladding panels and sets the width of the rain screen ventilation cavity.

## Z-RAIL

When no additional insulation is needed, the Z-rails are fixed directly to the load bearing structure, which can commonly be hardwearing insulated panels. Z-rails play an important role on modular mounting systems, providing precise positioning of installation rails without measuring. The benefits include efficient installation speed and a standardised look.

## INSULATION RAIL

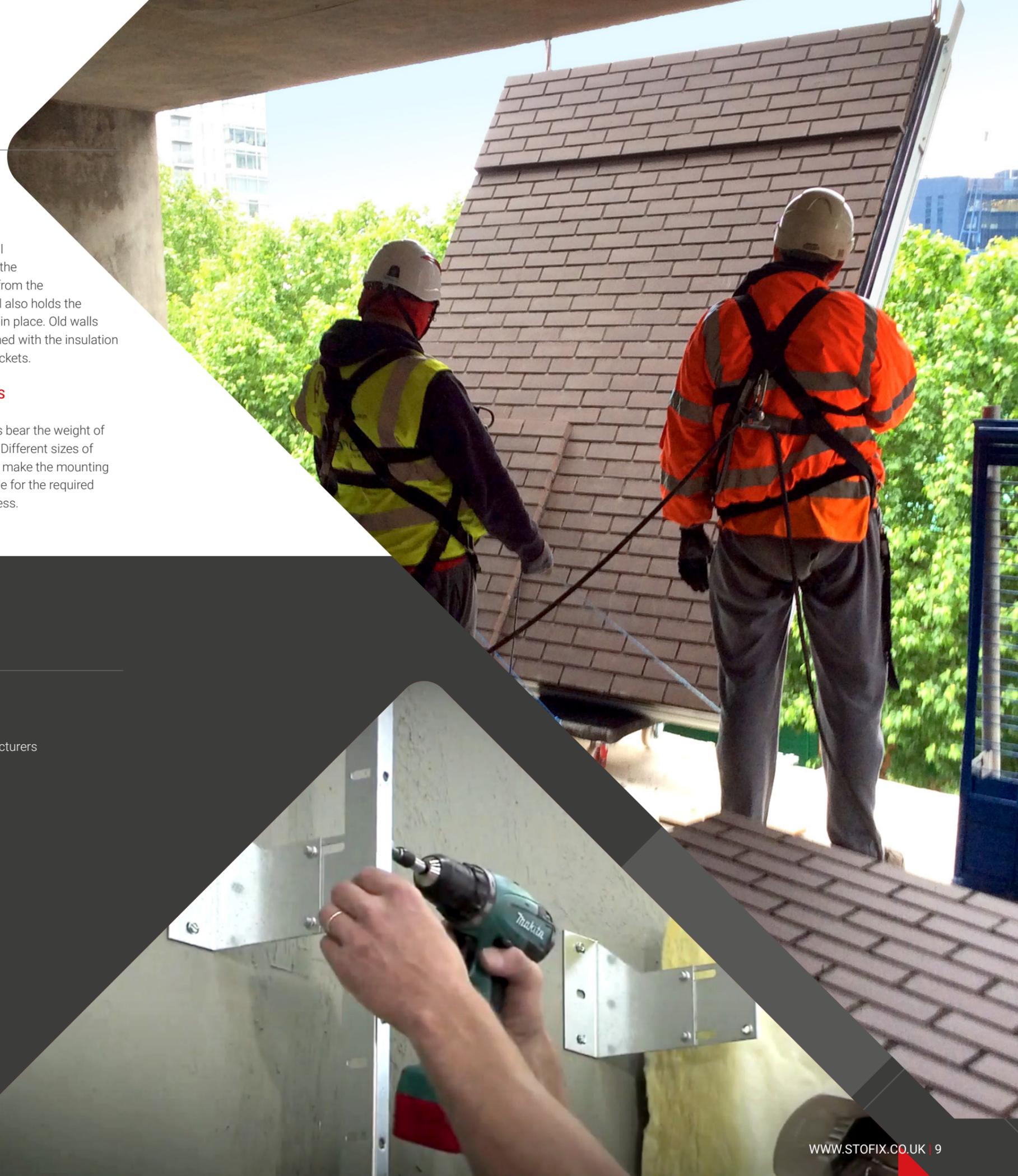
The insulation rail is used to define the extrusive extent from the core wall. The rail also holds the added insulation in place. Old walls can be straightened with the insulation rails and wall brackets.

## WALL BRACKETS

The wall brackets bear the weight of the brick façade. Different sizes of the wall brackets make the mounting system adjustable for the required insulation thickness.

# TECHNICAL INFORMATION

|                                  |   |
|----------------------------------|---|
| Stofix brick facade              | Kiln-fired brick  |
| Brick colours and textures       | Any colour and texture available from reputable brick manufacturers |
| Mortar colours                   | Colours as per Stofix mortar colour chart                           |
| Brick slip dimensions            | Most brick sizes can be used  |
| Joint surface material           | Micro-stone (crushed stone)   |
| Stofix cladding panel dimensions | Approx. 1200 x 600 mm (0.72 m <sup>2</sup> )                        |
| Weight                           | Approx. 40-45 kg / m <sup>2</sup> (approx. 32-38 kg/panel)          |
| Bonding                          | Stretcher, English, Flemish, Stack and other Special Bonds.         |
| Thermal expansion                | 0.5 mm / m (-20°C – +50°C)  |
| Ventilation cavity               | From 15 mm  |
| Expansion joints                 | At 7.5 m intervals when length / height exceeds 12 m                |
| Additional insulation capacity   | 0–300 mm  |
| Mounting structure               | Hot dip galvanized steel 600 g/m <sup>2</sup> , thickness 0.7-2 mm  |



# ENVIRONMENT

## CARBON FOOTPRINT

Stofix ensures energy efficiency and architectural aesthetics. We take care of our shared environment and are conscious about the materials we choose and our production processes. Our advanced brick cladding panels are made from recyclable materials, kiln-fired brick and natural stone and all of our production waste is recycled.

## THERMAL INSULATION

Constructing Stofix cladding on top of an old façade allows for more thermal insulation to be installed in the structure. The original structure stays dry due to the correct level of air circulation and energy consumption is reduced. Stofix can also address issues in older properties such as damp penetration, condensation, or dilapidation of the exterior.



URBANEST, LONDON

# PRODUCTION

Stofix has taken giant steps forward since product development began over two decades ago, with advances in productivity, operational and energy efficiency. Ongoing product development has ensured production capability for different brick sizes, a mounting system for large concrete elements and installation developments, to name a few.

## QUALITY CONTROL

Stofix is manufactured on an automated production line in carefully controlled conditions to ensure exceptional quality control. To guarantee the durability of the cladding, Stofix only uses bricks from well-known manufacturers. Stofix quality is guaranteed with rigorous quality control throughout the entire process, from raw materials to manufacturing and installation.



# APPLICATIONS

## NEW CONSTRUCTION

Stofix provides a variety of solutions to meet new construction projects and can be used to clad almost any load bearing structure. The installation speed and foundation-free-build ensures cost and time efficiencies. The thin structure of Stofix panels ensures larger interior areas or respectively thicker insulation compared to traditional brick.

## BENEFITS

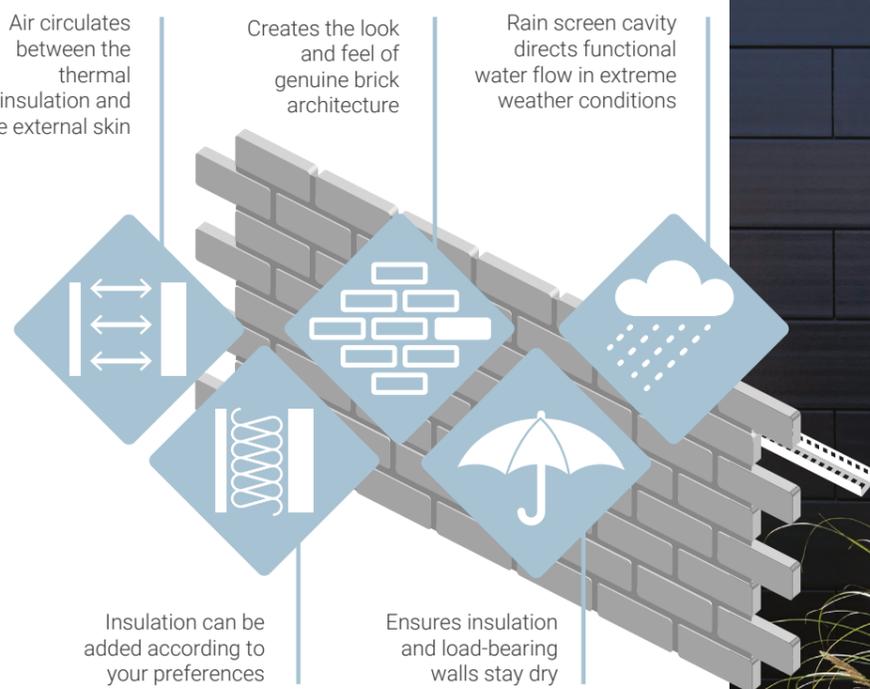
Air circulates between the thermal insulation and the external skin

Creates the look and feel of genuine brick architecture

Rain screen cavity directs functional water flow in extreme weather conditions

Insulation can be added according to your preferences

Ensures insulation and load-bearing walls stay dry



RUSKIN SQUARE, CROYDON

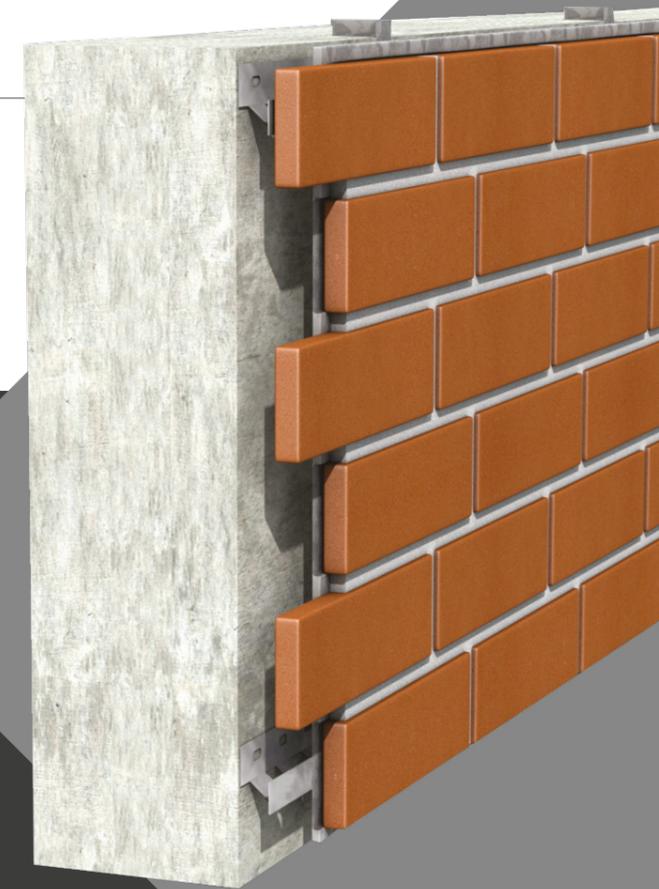
# REFURBISHMENT AND OVERCLADDING

Many buildings are seeing brick façades completely replaced for fire safety and aesthetic reasons. Stofix is perfectly suited to these projects as the appearance of the building is maintained without compromising the details of brickwork architecture.



# UNITISED WALL SYSTEMS

Stofix panels can be delivered to specialist companies where they are installed onto unitised frameworks or SIPS panels for the finish pointing to be done. These larger panels, often with windows fitted, can be craned into place without any external access, presenting an even quicker method of installation.



## BENEFITS



The original structure stays dry due to the correct level of air circulation



Energy consumption can be reduced by using extra insulation



The heat transfer coefficient of the wall structure is considerably decreased



Faster Installation as panels arrive on-site, usually made into floor height sections



Replacing the entire external skin is the only renovation method that ensures dampness and/or microbes will not remain in the existing wall structure



Stofix protects the old structure against further weather damage and water is efficiently conducted from the structure



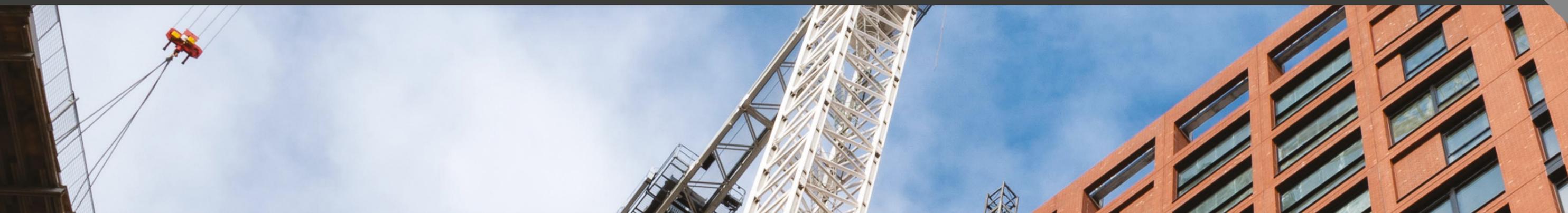
Combined with insulation, Stofix improves the building's U Value by increasing thermal insulation



Reduced installation time means less labour and reduced costs



Ideal for restricted access – cranes are normally utilised to install rather than expensive scaffold and mast climbers



# CASE STUDY: URBANEST

## LOCATION

South West London, UK

## MAIN CONTRACTOR

Balfour Beatty

## ARCHITECTS

Glenn Howells Architects

## INSTALLER

Fill Metalbau

**Award winning Urbanest Vauxhall is the second tallest clay wall cladding building in the UK. Rising to 32 stories, the tower has 454 student bedrooms and the 31st storey has a 'common room in the clouds'.**

## BENEFITS OF STOFIX

All Stofix panels were pre-assembled in our factory complete with window assemblies and were delivered on site via a lorry. The crane, which was mounted on the roof of the building, hooked the panels from the back of the vehicle and straight onto the fabric of the building. The few joints left to point at floor level were completed by abseilers. Having no scaffold or Mast Climbers ensures costs are kept to a minimum and the smaller teams required to install means a savings on labour is achieved whilst potential delays are avoided.



# CASE STUDY:

## BLACKWALL REACH

### LOCATION

East London, UK

### MAIN CONTRACTOR

Hills Partnerships Ltd

### ARCHITECTS

BPTW Architects

### INSTALLER

Caxton Builders Ltd

**Blackwall Reach is an ambitious £300 million transformation of one of London's most exciting areas located adjacent to Blackwall DLR Station. Station Square (Phase 1b) delivered 242 new homes built in three blocks – two at 10 storeys and one of 24 storeys, together with commercial space at ground floor level.**

### BENEFITS OF STOFIX

The Contractor had a scaffold ring at the top of the 24-storey tower and needed to strike that quickly to enable the rest of the works and to minimise cost. We were able to start on the 10th storey façade and work our way up the building, returning to finish the lower floors.





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