



PRE-FABRICATED VENTILATED BRICK FAÇADE SYSTEM

Technical Data Sheet



Pre-fabricated, pre-pointed Brick Slip Cladding System

The STOFIX brick slip panels are pre-fabricated under controlled, uniform conditions and installed on site using a proprietary mounting system. The STOFIX brick slip cladding is designed as a structurally separated system: The brick cladding is fixed to the STOFIX support rails, creating a continuous, ventilated cavity between the insulation or load-bearing wall and the façade.

This separated construction prevents structural movements of the building from being transferred to the brick façade, thereby reducing stress and the risk of cracking. As the system is self-supporting and does not impose vertical loads on the structure, no additional foundation is required for the STOFIX brick cladding.

TECHNICAL CHARACTERISTICS	VALUE
Application:	Rear-ventilated façades
Brick slips:	Kiln-fired brick slips manufactured to EN 771-1, EN 14411 and F2 Frost resistance
Brick colours and textures:	Any colour and texture available from reputable brick manufacturers (subject to testing)
Brick slip height:	Min-max 40 - 85mm
Brick slip length:	Min-max 40 - 290mm
Brick slip thickness:	Min-max 19 - 40mm
Mortar colours:	Colours as per STOFIX mortar colour chart
Jointing mortar (factory):	Cement-based, polymer-modified mortar; class M20
Joint surface material (factory):	0.2-0.8mm sand, colour matched
Jointing mortar (site):	Cement-based, polymer-modified mortar; class M10
Jointing sand (site):	0.2-0.8mm sand, colour matched, in 25kg bags
Cladding panel dimensions:	Approx. 1200 × 600mm / 0.72m ² (subject to brick specification)
Cladding panel weight per m²:	From approx. 43kg/m ² (subject to brick specification)
Cladding panel 1200x600mm weight:	From approx. 29kg/panel (subject to brick specification)
Cladding panel thickness:	Min-max 20 - 41mm (including brick and backing plate)
Bonding / Brick bond patterns:	Stretcher, English, Flemish, Stack, and Soldier (other special bonds available on request)
Thermal expansion:	0.5 mm/m (–20°C to +50°C)
Ventilation cavity / Minimum cavity:	From 25mm (minimum 38mm for UK market only)
Expansion joints:	At 7.5m intervals when width/height exceeds 12m
Additional insulation capacity:	Up to 340mm
Frame material:	ZM430 Magnelis Steel (Stainless Steel available on request)
Wall bracket material:	ZM430 Magnelis Steel (Stainless Steel available on request)
Mounting rail material:	ZM430 Magnelis Steel (Stainless Steel available on request)
Fire resistance:	Euroclass A2-s1,d0
Calculated service life:	In excess 60+ years
Required on-site pointing:	Approx. 5% (depending on individual façade design)

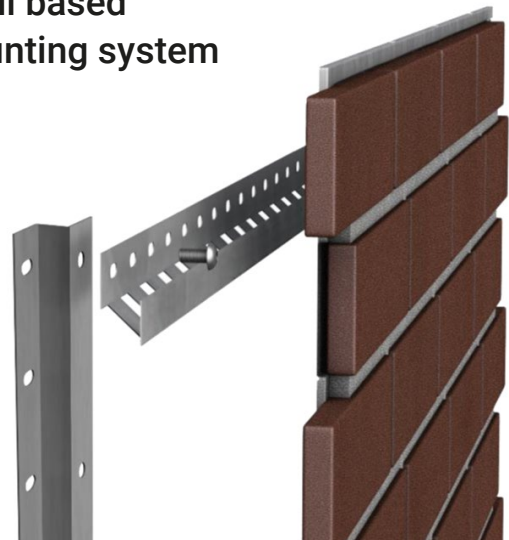
Pre-pointed brick slip panel



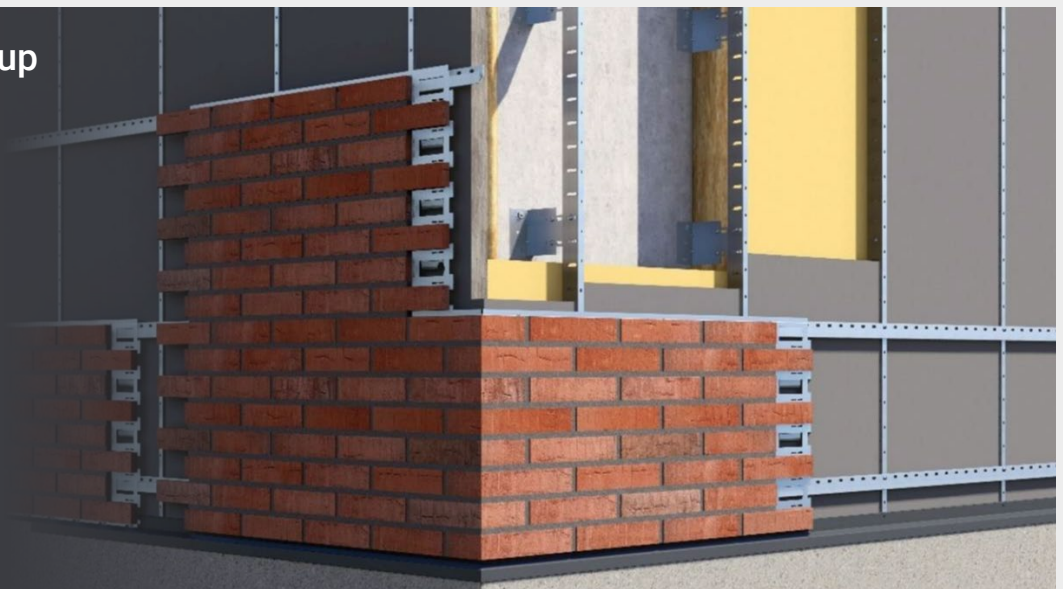
Wall bracket based mounting system



Z-rail based mounting system



Full system set-up





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