

**TAYLOR MAXWELL**

**STRATA**

stone cladding

# Strata

Stone Cladding

[taylormaxwell.co.uk](http://taylormaxwell.co.uk)



# Secret Undercut and Mechanical Kerf Fix Stone Cladding



## Introducing Strata stone cladding systems

**Britain's long and complex geological history has produced a diverse range of stone types, many of which have been quarried for building purposes over the centuries. Some of the country's building stone quarries have operated continuously since earliest times.**

Stone cladding facade systems provide a natural finish to complement and harmonise with their surroundings, often in conservation areas among long standing traditionally built stone projects. The growth of natural stone rainscreen has evolved with clients and architects still looking to achieve a natural stone facade but with the benefits of reduced weight, construction programmes and environmental impact of using less raw material.

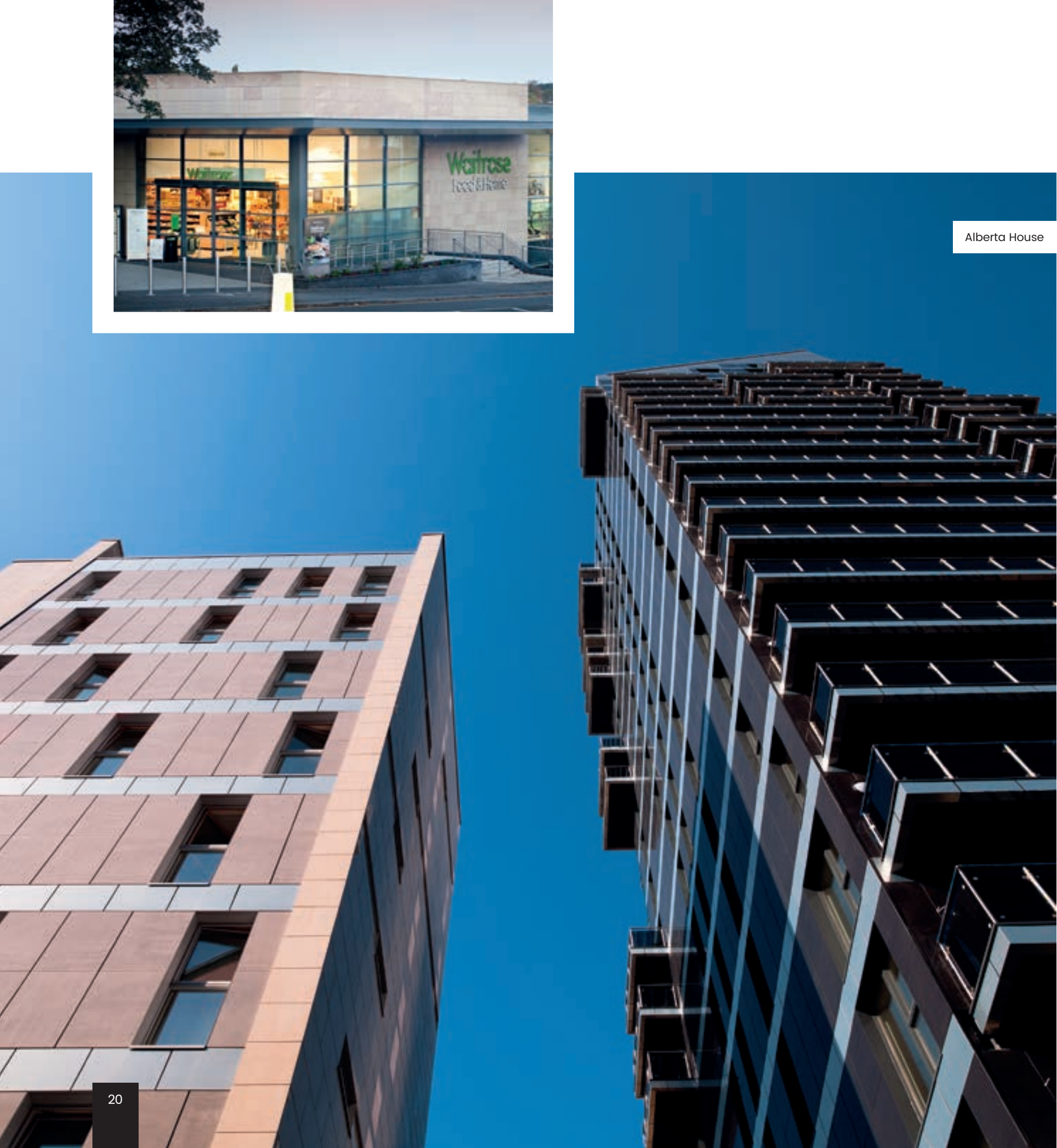
Taylor Maxwell partner with established suppliers of both stone and framing systems that are designed and engineered to meet all current British and European standards. Consulting from the early project concept stages, we are able to offer design assistance, performance specifications and sample sourcing to facilitate a robust tender submission. All **Strata** stone systems supplied by Taylor Maxwell comply with the latest BS standards and pricing always includes both the stone, framing and fixing components.

The appropriate framing system is dictated by the stone finish that you are looking to achieve and the projects' local vernacular. Our framing systems are designed and manufactured in the UK and include secret undercut fix, mechanical kerf fix and traditional hand set. On these systems we are able to supply a range of finishes including natural stone, technical stone and porcelain. Depending on the method of construction, technical stone is an ideal solution where you are looking to achieve large format cladding panels which can span floor to floor.

Our stone suppliers are also able to fabricate complex geometric forms including traditional stone features such as columns arches and complex string course profiles. If you're looking for something different, please send us your design intent and we will work with our supply chain partners to see if it is achievable.







Alberta House

## Strata Secret Undercut Fix – Adjustable Cladding Zone

**The facade panels in this system are supported by specialist undercut anchors.**

Panels will typically feature four undercut anchors at equal distances from each of its corners to guarantee an even distribution of the load. Panel clips create the hook on connection to the horizontal rail which is mechanically fixed at two points for stability and security.

The secret fix undercut anchor is an ideal support system for a wide range of natural stone, technical stone, porcelain and ceramic panels with a thickness range from 10mm to 50mm. The system is suitable for both standard grid and random pattern facades.

The secret fix undercut system has been tested by Wintech Engineering to CWCT standards for:

- Water Penetration: Dynamic Pressure to CWCT Section 7
- Wind Resistance: Serviceability to CWCT Section 11
- Wind Resistance: Safety to CWCT Section 12
- Hard & Soft Body Impact test: Retention of Performance to CWCT TN76
- Hard & Soft Body Impact test: Safety to Persons to CWCT TN76



## Strata Mechanical Kerf Fix

**The facade panels in this system are supported by an adjustable panel clip.**

Panels will typically feature four of these at equal distances from each of its corners to guarantee an even distribution of the load. Panel clips create the hook on connection to the horizontal rail which is mechanically fixed for stability and security.

The kerf fix anchoring system is ideal for a wide range of natural stone, agglomerate stone and terrazzo panels with a thickness range from 30mm to 50mm. The system is suitable for both standard grid and random pattern facades.

- Water Penetration: Dynamic Pressure to CWCT Section 7 (Pending)
- Wind Resistance: Serviceability to CWCT Section 11 (Pending)
- Wind Resistance: Safety to CWCT Section 12 (Pending)
- Hard & Soft Body Impact test: Retention of Performance to CWCT TN76 (Pending)
- Hard & Soft Body Impact test: Safety to Persons to CWCT TN76 (Pending)







**Natural stone**

For projects where only natural stone will do, a stone ventilated cladding system offers the ideal combination of classic tradition and contemporary performance and buildability. These systems enable the use of a natural stone in a contemporary and convenient format that is compatible with lighter building structures.

We offer a full portfolio of classic natural stone facades including marble, granite, sandstone, Portland stone and limestone.

Limestones are the most popular stone types used in the UK. Jura and Moleanous limestones are predominantly used due to their superior flexural strength. Sandstones, including UK sourced options in red and buff are also extensively used in many UK cities

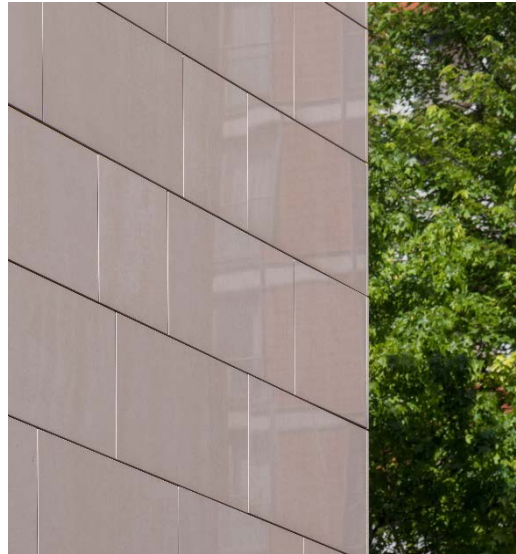


**Technical stone**

For projects where a large format panel size is required, up to 3000 x 1200mm, our technical stone provides an excellent alternative to natural stone.

A rich, high quality precision façade can be created using panels from our technical stone range. A vast array of carefully chosen colours are available using aggregate crushed quartz, granite or marble with a low toxin colour bonding agent to create a highly durable, natural and uniform conglomerate. formed in large blocks similar to natural stone.

This enables technical stone to be used in not just lightweight 20mm thick panels, but curved CNC work such as column casings and arches. This engineered material offers structural and visual consistency.



**Porcelain**

Porcelain is harder than granite, and with advanced technology and innovative manufacturing methods allows the creation of formats of up to 1200 x 600mm, combining detailed aesthetics with guaranteed technical performance. Panels are typically 12mm thick with anti-shatter membrane to the rear.

This manufacturing process results in a product that is extremely durable and gives each panel a natural matt finish that varies subtly in each time.

Our extensive range of porcelain offers over 2000 colour options, including solid or stone colours with a matt, polished or bush-hammered finish.







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For more information, samples or to speak to one of our technical specialists, please call **0203 794 9377** or email [enquiries@taylor.maxwell.co.uk](mailto:enquiries@taylor.maxwell.co.uk)