

TIER[®]
Panel System

Natural Stone **Made Simple**





Natural Stone, Made Simple





What is Tier?

Tier is a real stone panelling system specifically designed to create a distinctive, natural stone finish wherever it's used.

The panels rise in interlocking 'tiers', fitting seamlessly together, eliminating the need for specialist labour and making Tier a quick and easy system to use.

Suitable for small projects, homes or large developments, Tier transports the timeless character of real stone to any location.



Tier

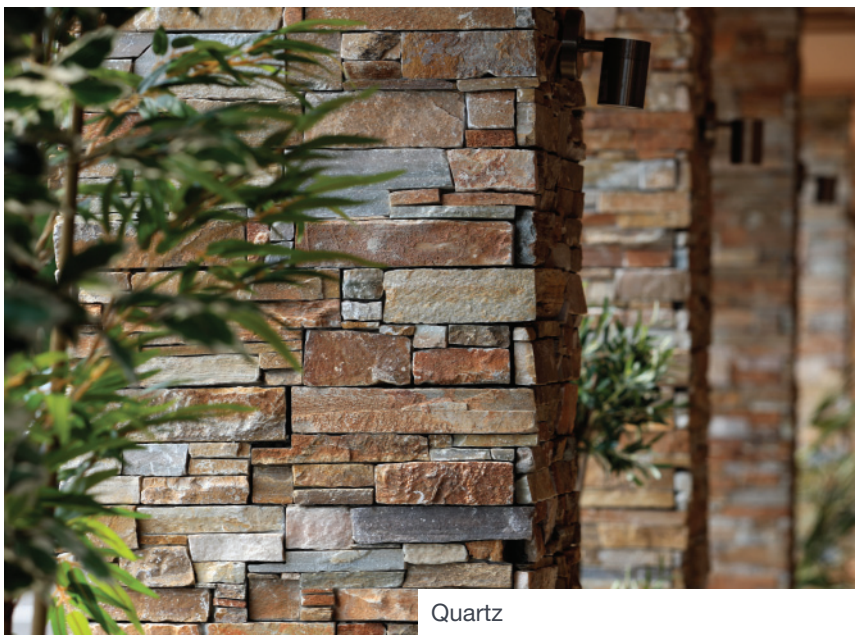
1. One of a series of rows or ranks rising one behind or above the other.

2. To rise in tiers

Behind the beautiful exterior, Tier panels fit together making the construction process extremely fast and efficient, removing the need for a qualified stonemason.

Tier uses natural stone, therefore each and every modular panel is completely unique, each having its own colours, sizes and textures. Tier also uses a larger base panel than many other panelling systems which allows a greater variation in stone sizes. This is what gives Tier its authentic drystone appearance.

Tier's versatility allows it to be used on both interior and exterior walls, and on commercial or residential projects, making it versatile enough to suit builders, architects and home owners.



Quartz



Tier panels are deeper than other standard stone systems currently available. This allows the panels to have a greater variety of stone sizes, creating a more realistic and authentic finish.



Slate

Why use Tier

Authentic

As Tier is made from natural stone, it bears all the form and character of a dry-stone wall. The simple, yet clever 'Z' formation of the Tier Panel System allows each section to interlock seamlessly together, to produce all the charm and elegance of a natural stone surface.

Elegance

Part of what makes Tier unique is that each panel is deeper than other standard stone systems currently available. This allows the panels to have a greater variety of stone sizes, creating a more realistic and authentic finish.

Versatile

The applications for Tier are endless. Its simple installation means it can be incorporated in to both commercial and residential environments adding real charm to either an entire structure or a small feature.

Simple

The panel system has been designed to achieve the look of a stone wall without the need for a qualified stonemason, therefore no specialist tools or skills are required to install Tier. This is why it is so popular with contractors and developers alike.

Efficient

The modular design means it can be constructed in a fraction of the time normally taken to build traditional stonework. With Tier, it is possible to install up to 30m² per day. This compares with 3m² for Random Rubble Walling.

Economical

As well as reduced labour costs, Tier has the advantage of producing less waste during construction and requires no maintenance after installation is complete. Whilst traditional stone walling can have up to 25% wastage, Tier has virtually none.

Guaranteed

Along with all the added benefits of Tier, comes peace of mind. Such is our confidence, Trenao Limited offer a 10 year guarantee on the Tier Panel System range.

The Range

Tier Panel System

Multicolour

A stunning mix of natural slate giving a combination of earthy reds, purples and greys.



Slate

A dark black natural slate panel with hints of rust add to the stones rustic appearance.



Quartz

A warm natural stone full of creams, beiges, yellows and pinks. Perfect for traditional or contemporary applications.



Red Sandstone

A traditional natural product with a combination of warm reds and browns.



Rustic Granite

A highly textured natural stone in grey, yellow and brown produces a warm, traditional finish.



Thin Slate

Thin cuts of natural slate create this unique, rustic appearance.



Tier Quoin System

The Tier Quoin System can enhance both the corner and/or window reveals of the building, giving the impression of grandeur and establishment. The distinctive beauty of a natural stone corner is

achieved by using its unique 'L' shape, to complement the Tier Panel System. Depending on the style of property, there are selection of colours to choose from.

The Tier Quoin System is available in the following colours:

Black Slate



Rustic Granite



Multicolour



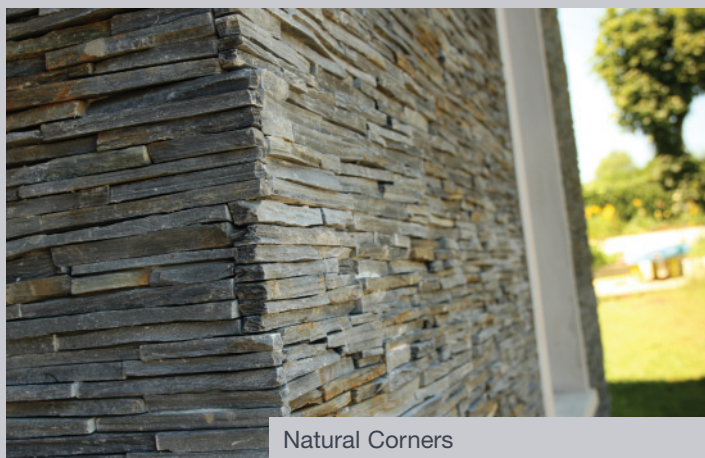
Quartz



Corners

The beauty of Tier is that it works in harmony to complement a wide variety of finishes and rendering. This is of significance when considering the design, budget and practical aspects of the construction.

Depending on the look you want to achieve, three options are available; Natural Corners, Granite / Brick Quoins and Rendered Corners.



Natural Corners

Natural Corners

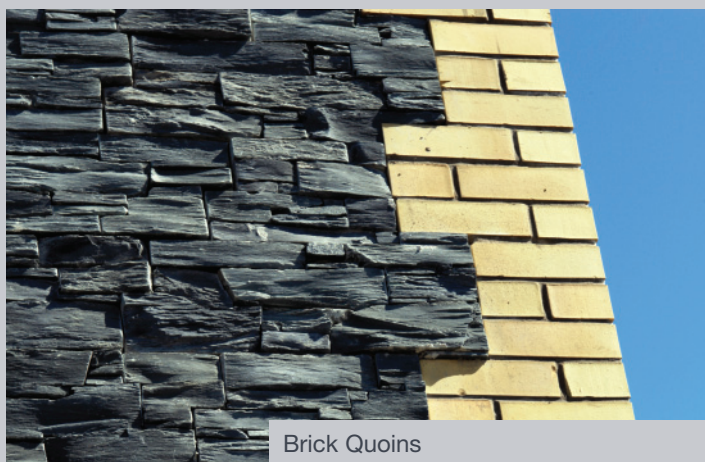
The Tier Panel System can achieve an extremely natural finish to corners with rock face return ends giving an organic and rugged aesthetic. If budget is a factor, then this is the more affordable option.



Granite Quoins

Granite/ Brick Quoins

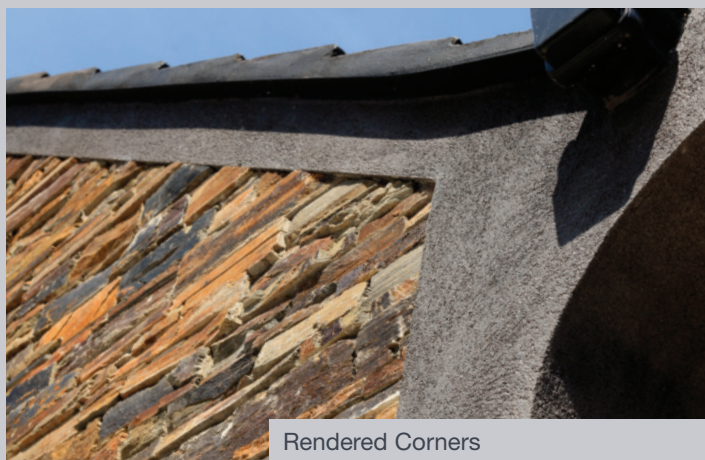
Sandstone, limestone, granite and brick can all be used in conjunction with Tier. Each panel interlocks with the adjoining corner to produce either a vivid contrast between colour or a subtle change in texture.



Brick Quoins

Rendered Corners

Tier is also effective when it comes to other aspects of the build such as windows and doors. The panel system works with rendered finishes to highlight their form and contours.



Rendered Corners

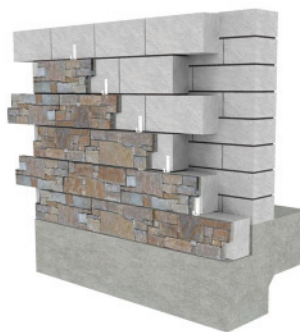
Method of construction

Tier is a modular panel system and can be fitted to various internal and external structures. Each panel is 610mm long by 215mm high and weighs approximately 65 kg per m².

Traditional Build Method

Tier Panel System can be attached to a new or existing concrete or blockwork structure using our approved Tier Flexible Adhesive

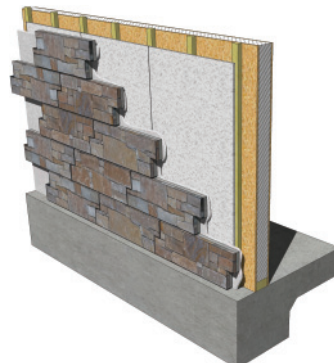
Traditional build method



Timber Frame Method

Tier Panel System can now be fitted to our approved Building Board which is screwed to a Timber Frame Structure therefore eliminating the need for a structural wall.

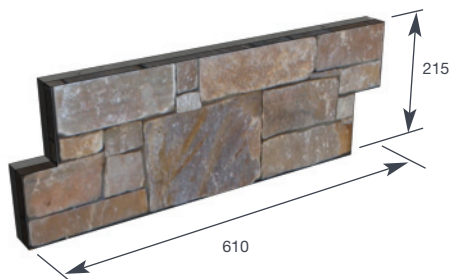
Timber frame method



Installing Tier Step by Step

1. Using a toothed trowel apply an even spread of Tier Adhesive directly to the wall. Do not apply using spots or blobs as this will weaken the bond. Once the adhesive has been applied, you must install the panel within 40 minutes.
2. Fix in place using a rubber mallet. Panels can be cut easily using a diamond blade where necessary. For installations up to 3m, panels can be directly adhered to the wall without the use of any fixings. Larger surfaces require 8 fixings per square meter as illustrated in the diagram.
3. To achieve natural corners, two sizes are available so that the joints may be variable. Alternatively you can select the Tier Quoin.

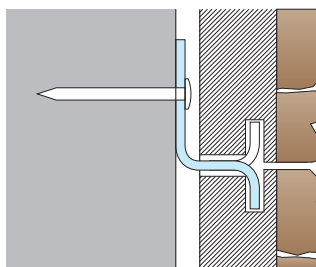
Product dimension



Corner pieces & quoin specification

Description	Length	Width	Height
Short Corner	300	35-45	215
Long Corner	600	35-45	215
Tier Quoin	350	200	215

Mechanical fixing detail



- Stainless Steel fixing with plastic sleeve.
- Stainless Steel 'L' shaped clamp.

Tier Flexible Adhesive



Should the panels need to be cut to size, this can be done with standard masonry tools without the risk of cracks or fractures. As the panels are held fast to the wall with the adhesive, there is no need to grout or use mortar.

TIER[®] Panel System Box Details

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- 4no Panel Pieces Per Box
- 8no Short Corner Pieces Per Box **
- Panel Size 610x215x35-45mm
- 0.48m² Per Box
- 36kg Per Box

** Short Corners only available with Thin Black Slate and red sandstone

TIER[®] Panel System Crate Details



- 24no Boxes Per Crate
- 11.52m² Per Crate
- 864kg Per Crate
- 27no Crates Per Full Load
- 311.04m² Per Full Load
- 23.40 ton Per Full Load

TIER[®] Flexible Adhesive Details



- 20kg Per Bag
- 1000 kg Per Pallet
- 50 Bags Per Pallet
- Approx. 5m² Coverage Per Bag
- 63 Bags Per Full Load
- 1.26 Ton
- Coverage may vary depending on Surface

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