

CASE STUDIES



 **West Port**
Bespoke Timber Windows, Doors & Fire Doorsets
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About Us

We make high performance bespoke timber windows, doors and fire doorsets for the domestic and commercial market place.

We're proud to be a successful British manufacturer. From our 175,000 sq.ft purpose designed factory on the Cumbrian Coast we deliver throughout the country for installation by a network of licensed distributors.

We make timber products that combine quality engineering and technical know-how with designs that suit British

buildings, traditional or contemporary.

Need high volumes, quick lead times and flawless consistency? We can do it. Need a product hand-crafted to your exact specifications? We can do that too.

If you don't see exactly what you want, the chances are we can make it especially for you.

The Old Vicarage

Flush Casement Sliding Sash Windows, Circular Windows, Timber Entrance & Patio Doors

Located in Old Isleworth, The Old Vicarage is situated in a conservation area not far from the River Thames. Due to the sensitive area and heritage of the building the windows had to be replaced with traditional sliding sash windows. West Port have a various range of sliding sash options available, the modern spiral balance being one of them. Wanting to keep the building looking as traditional as possible and in keeping with the area the customer decided on the modern spiral balance option. This option provides the traditional look of a sliding sash window but with a modern mechanism of the balances. An added extra on this window are horns and plant on astragal bars for the extra traditional style.

Feature circular windows were installed into this property manufactured by West Port in their advanced joinery department. West Port requested templates to use in the manufacture process; the templates are used as a guide to produce the windows to the correct size and shape to the opening in the building. This was no challenge to West Port due to the advance CNC machine and workmanship of their joiners.

West Port external insulated doors and patio doors were also supplied to site. The external insulated doors supplied are available in various styles and are all insulated to prevent heat loss from the building. All doors are supplied with a 3 point locking mechanism providing extra enhanced security to the property. The patio doors supplied were used to create a Juliet balcony to the upper floors. Using a patio door on these balconies creates more light and space into the rooms. These also had the added extra of the plant on bars, to match the windows to create the traditional look.

This property was completely remodelled by the architect and an adjoining new build town house added to the property creating semi-detached buildings. West Port supplied overall 25 Spiral Balance, 6 flush casement, 6 circular windows, 4 doors, and 14 patio doors between these 2 properties.



Temple Sowerby

Flush Casement Windows, Timber Entrance Doors & Patio Doors

Built on the site of a former farm yard, Templars' Court consists of five bespoke, three and four bedroom detached and semi-detached converted barn lookalikes. Built in local red sandstone and natural slate, in-keeping with the historic local area and situated around a central courtyard, with the addition of gardens and dedicated garages.

West Port supplied Cumbrian Homes with flush casement windows with crucifix Georgian bars to create a traditional cottage look. Some of the window openings in the properties were very slim at a width of 180 mm. For a window to fit into such a small gap West Port manufactured a slim line window consisting of just the frame and glass to fit into the gap required. These small windows provided light into the internal room along with the crucifix bar windows whilst also keeping in with the traditional look of a barn conversion. Timber external doors were also supplied with grooves on the external and internal face to create a traditional grooved door.

One of these properties required natural light into the living area and the 1st floor corridor. West Port manufactured a set of doors, side lights and a large curved top light. Once provided with templates West Port joinery department was able to cut the timber frame into the correct shape and size for the large set to fit into the opening. Installing these patio doors, top and side lights into this building created a room with a large amount of natural light and a beautiful view over the local farmland.



Riverside Dene

FD30 and FD60 Fire Doorsets and Screens

The Riverside Dene consists of several tower blocks based in Newcastle, not far from the city centre, they are either privately owned or rented via Your Homes Newcastle. The tower blocks are 14 floors high with most of the apartments occupied by either the elderly or families with young children. With these vulnerable tenants, fire safety is paramount and high quality, compliant fire doors are essential in achieving the necessary fire safety requirement for all. The buildings were identified as needing new fire safety measures, and following an extensive process of specification, West Port were chosen to supply the doorsets.

West Port have made fire doorsets for over 15 years and all of their doors are fully certified with excellent proven performance, achieving over 40% of the British Standard requirement - BS 476: PAS22:1987. The manufacturing process is fully certified by BlueSky, a 3rd party UKAS accredited certification body, to ensure consistency and compliance of each door made. At Riverside Dene all the doors were colour matched specifically to the outside of the building for the required aesthetic look and feel of the environment.

At West Port doors can be custom designed to suit any requirement including glazed panels, low level thresholds, letter plates, air vent grilles etc and can also achieve the Secured by Design (SBD) standards.



Hamilton Grand St Andrews

Cords and Weights Sliding Sash Windows

After laying dormant for many years due to a fire in the 1980's, Hamilton Grand has now received its much needed re-haul into 26 luxury 2, 3 and 4 bedroom apartments ranging from 1,133 to 2,780 square feet. One of the apartments looks over the 18th hole of the famous St Andrews Golf Course at the price of £7.3 million.

West Port provided ISG Construction traditional cords and weights timber windows to the 115 year old building Grade B listed building. The owner of the building requested the windows to be finished in black but due to the sensitive area the building is based in Scottish Heritage requested for the windows to be finished in green. For the finish to be approved by the two parties West Port approached their paint supplier in Germany to provide a special green/black paint to which West Port used in their on-site paint factory. All the windows were also provided in a dual finish; the special green/black finish to the outside and depending on the room on the in-side, an apartment or the bar, the finish was either black or cream respectively.

Some of the windows required curved heads to them which West Port manufactured through their joinery shop, templates were made for the West Port joiners to work from as the templates are to make sure the curves are manufactured to the right shape and size to fit into the building correctly.

As the location of the building is near the sea the windows would need to have ironmongery salt spray tested due to harsh sea water. The ironmongery on West Port windows are salt spray tested to 2000 hours to accommodate the requirements for the building.



Gifford Lea

Flush Casement and Timber Entrance

Appointed as supplier of timber windows and doors, we utilised our extensive knowledge of the retirement living sector and project delivery skills to ensure the completed village reflects the concept design. The site is located 8 miles from Chester in Tattenhall Village and enjoys countryside views across the Bolesworth Estate.

Phase one is a timber frame construction which completed in 2017 and consists of 48 village apartments across 8 separate buildings, all featuring a mix of different types of timber products. Each building has a variety of apartment numbers, ranging from two to ten apartments and providing a mix of 1 bed and 2 bed types as walk-up units or level access either at Ground Level or from a communal stair and lift core. The landscaping between the buildings has been carefully designed to ensure a village setting is created whilst also providing semi private and private amenity space.

Phase two is a steel frame construction which completed in summer 2019 and creates the village core including private dining spaces, brasserie restaurant, café, bar, fitness suite, spa, swimming pool, games rooms and hotel services, along with 56 apartments inclusive of village apartments, assisted living suites and larger panorama and penthouse apartments.

Phase three will create a further 48 village apartments across 8 additional buildings and is due to start on site following the completion of the village core.



G1 Glasgow

Dual Swing Timber Windows

Having laid vacant since the General Post Office re-located to Springburn, in the late 90s, consent was granted to turn the A-listed Victorian building into 127,000 sq ft of office and public space with a striking glass roof extension. The intention is to provide Glasgow with an iconic office development providing first class quality office accommodation. New public space will be available on the ground to engage passers-by and allow the people of Glasgow and tourists to the city to benefit from the new site. Within a year of opening, the building is 94% let, with an impressive tenant list covering Ernst & Young, Maclay Murray & Spens, Gardiner & Theobald, Mercers, Jamie's Italian and Browns Brasserie.

On this project West Port supplied a modern opening window called a Dee window. This stepped sash window is manufactured to look like a traditional sliding sash window with modern sashes. The opening sashes are top hung fully reversible which allows a full rotation of the window sash bringing the outside to be cleaned from inside of the building at a high level.

The ground floor windows required to be non opening with a curved head as per the templates provided. Some of these windows reached the height of four and half meters. A window as large as this could cause some problems in manufacturing but with the technology at West Port they are able to manufacture the windows as a whole and paint them with the specialised on site paint factory.

Due to the age of the building the contractor required the new windows to match the existing windows. In particular the window horns. West Port was able match like for like with the tooling and technology they have within the custom built "175,000 square feet factory based on the fringe of the Lake District.

As the new windows were to be installed into the old openings the windows had to be craned in over the top of the building shell to be installed from the inside of the building as the reveal was larger on the inside of the building to the outside. This is how windows are traditionally installed.



Center Parcs

Flush Casement Windows, Timber Entrance & Sliding Patio Doors

In December 2004, Center Parcs announced it had identified a location for a fifth UK site at Bedfordshire. This project involved the construction of accommodation, indoor and outdoor facilities, sub-tropical swimming complex, restaurants and a spa.

In March 2014 Center Parcs started to take bookings and within 2 months more than 11,000 bookings had been taken for people to stay from the 20th of June 2014. Built on a 365-acre woodland site within easy reach of the all important London market, the site has 625 Lodges, 75 bedroom Hotel and six Spa Suites for overnight stays in its Aqua Sana spa.

West Port was awarded the contract to provide the new holiday Village with 4,000 timber Fell windows and 2,000 High Crag and Scandale doors. Each of the 625 Forest lodges have been provided with a timber front door with electronic locks and a sliding patio door giving the living area more light, space and a view into the forest to watch the local nature. e.g. birds, squirrels, etc.

All of the West Port timber windows and doors provided to the site are painted in a specific brown as requested by Center Parcs. This was to blend the windows into the building and surrounding area. West Port worked closely with ISG to make sure all requirements for this large project was met.

The architect visited the factory to take a closer look at the products being provided and to view how the production process worked in the 150,000 square feet custom built manufacturing facility based on the fringe of the Lake District.



Byker Estate

Flush Casement and Timber Single Doors

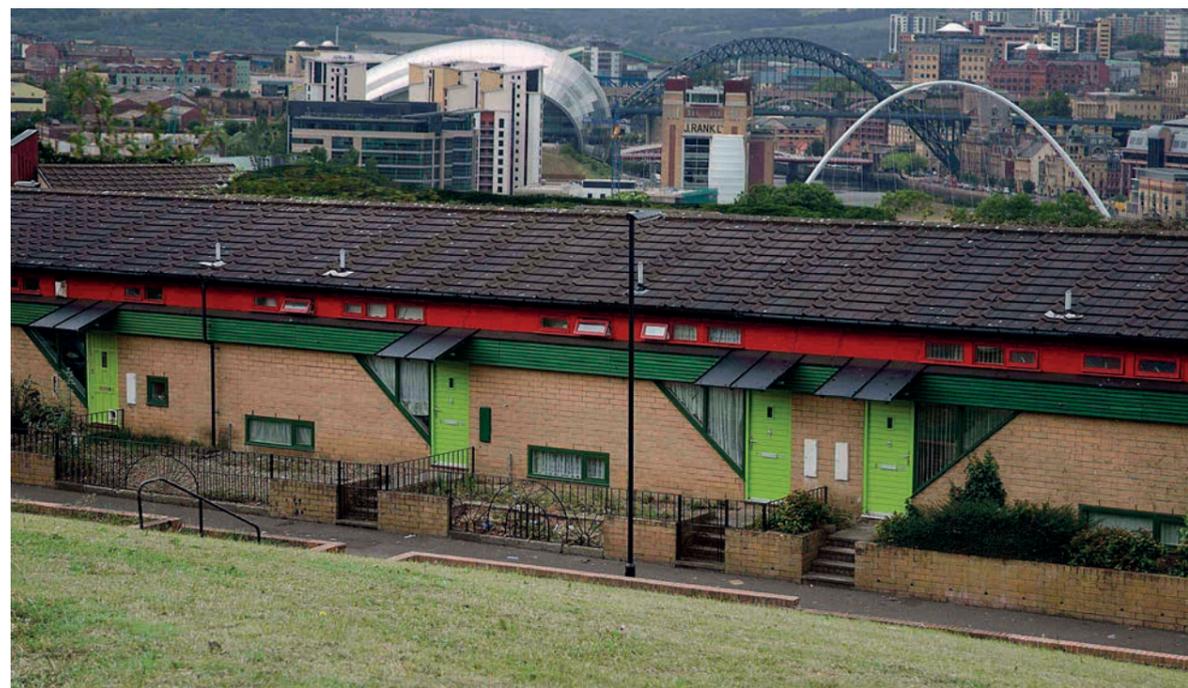
In 1969 Ralph Erskine was appointed as project architect for the Byker estate which is now world famous for its unique 1970's architecture. Its skyline can be seen across Newcastle and from as far away as western Gateshead and Northumberland. It has been the subject of many photographic exhibitions, dramas and films and is now a Grade 2* listed heritage site.

As part of the Byker Community Trust's £24.5m investment into the estate, the full external fabric overhaul included a new roof, new windows and doors. Residents of 400 flats and maisonettes at the social housing site benefit from the improvements, making their homes more energy efficient.

West Port timber windows and doors had to be approved by Newcastle City Council and English Heritage to help properly restore the Byker Wall's listed features in line with Ralph Erskine's original plans. This was mainly to match the bright colours and the style of the windows and doors to the existing. West Port had to specifically make their transoms and mullions of their windows bigger to match existing and also the grooves of the doors had to be a specific width and depth to again match the existing doors.

As the project required the new windows and doors to match existing West Port was able to provide the correct paint finish from their on-site paint plant. The finish is applied in the electro static paint plant that applies a primer first then a minimum of 100 microns as the top coat. These coatings are ventilating in other words they breathe, a bit like your skin, they allow the passage of moisture vapour out through the coating without destroying it.

The mixing machine within West Port has around 7,000 colour options making it easier to match colours when specified.



Victoria Gardens

Flush Casement Windows and Timber Entrance Doors

Victoria Gardens is a superb collection of high quality, high specification 1, 2, 3, & 4 bedroom homes. With several different house types to choose from including apartments, mews, semi-detached and detached homes, there truly is something for everyone.

Undertaken for Stonebridge Homes, the conversion and refurbishment of the former Leeds Girls' High School created 36 exceptional quality apartments in an exclusive part of Headingley. The sympathetic conversion ensured all the original features of the three storey building were maintained, with the outer facade and existing roof repaired, and new timber sash windows installed throughout. All external works were designed to be in keeping with the rest of the development.

"The Leeds Girls' High School buildings are such a feature of the area, being iconic designs and in such a prestige location. In partnership with Henry Boot Construction we are ensuring they are restored to their former glory whilst delivering much needed high quality housing in Leeds." *Carol Gunn, Head of Sales & Marketing, Stonebridge Homes*

Founded in 1876, Leeds Girls' High School was originally built as an independent all-girls school until its closure in 2008. The historic building was later used as the set of ITV medical TV series Monroe and starred British actor James Nesbitt.

The Old School House forms part of Victoria Gardens, a development by Stonebridge Homes which also saw a selection of four bedroom homes built on the site.





Take the Tour

Come and visit us and take the factory tour and understand why our customers choose West Port.

Visit our website

Visit our website to learn more about our products, services, accreditation and what makes West Port stand out from our competition www.west-port.co.uk



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