

What our clients think...

“
The team could not have been more helpful
”

“
I am very pleased. Very efficient, sincere & hard working. They explained every step within the works - well done to you all
”

“
The work on site was excellent, it was kept so clean & tidy
”

Applications



Garden rooms



SIPS panels



Single storey extensions



Conservatories / Orangeries

About Shire

The QuickBase Foundation System was designed by Structural Engineers at Shire and patented in 2008. Since it's launch, 12 million m2 have been installed across the UK. QuickBase is a multi-award-winning flooring, beam and pile system. A totally unique foundation system for conservatories and single-storey structures, revolutionising conventional construction methods.



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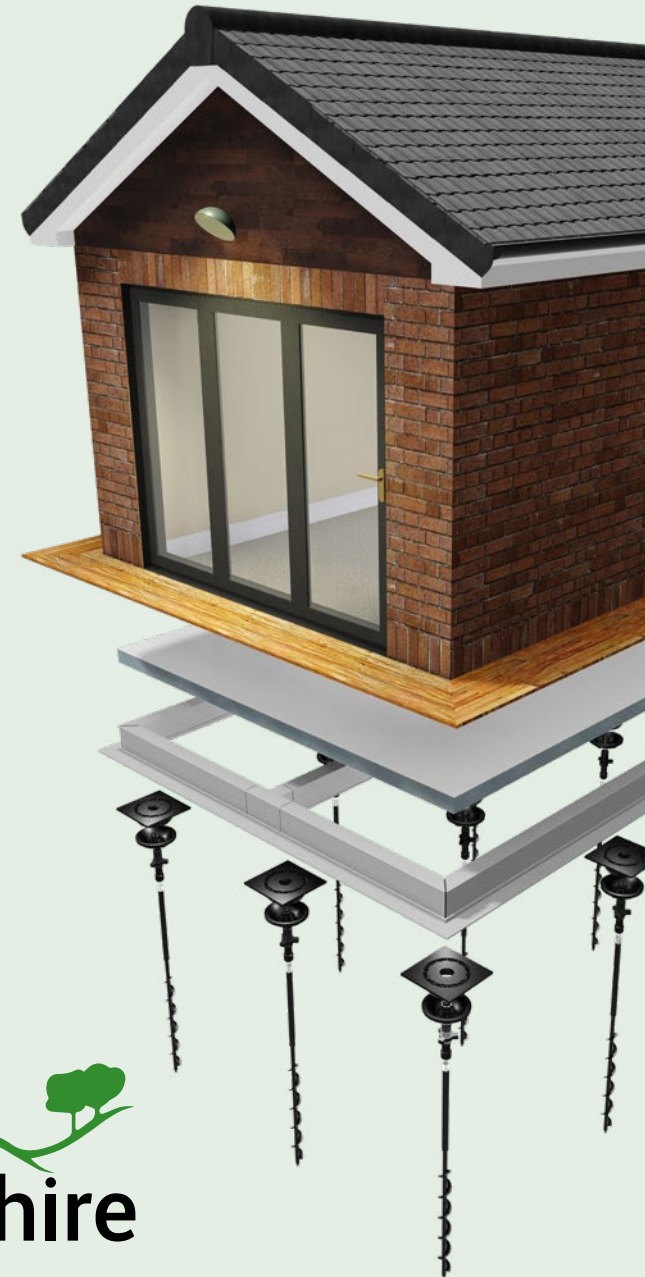
engineers@shire-uk.com

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QuickBase Foundation Systems

Foundations to protect your investment



Why?

Protecting your investment - what steps can be put in place to prevent foundation problems occurring?

Below are 4 practical steps to consider:

- Don't accept a 'one size fits all' foundation
- Take reasonable precautions to mitigate against the effects of nearby trees and soft soils
- Choose the right kind of foundation for your building
- Consider access requirements & restrictions. Ask for advice if needed

The foundations are one of the most important parts of your building investment. Often more time is spent considering the type of floor tiles than the foundation type. Foundations are often specified as a standard design 'to be confirmed on site'. This can lead to inappropriate foundations being constructed. It is essential that adequate thought is given to the foundation type and depth before work starts on site.

At Shire we design foundation systems for a wide range of project types. We have developed patented systems like QuickBase giving deep piled foundations that can be taken down to depths below the zone of influence of any tree roots or down to 20m in soft soils to find 'good ground'. QuickBase has also been designed to be installed in areas where parking & access is restricted. Foundations are installed quickly, often leading to cost reductions in the overall schedule.

Where there are unknown ground conditions, our geotechnical team can investigate and give advice on the appropriate solution. For more information, including a detailed guide contact engineers@shire-uk.com

ShirePile >
Supports loads of up to 70kN



ShireQuickBase

About the system

- Designed by Structural Engineers
- Made in the UK
- Unique patented design
- Achieves U-values of 0.02 W/m2K
- Combined floor, beam & pile solution
- Installed on a Shire Pile as standard

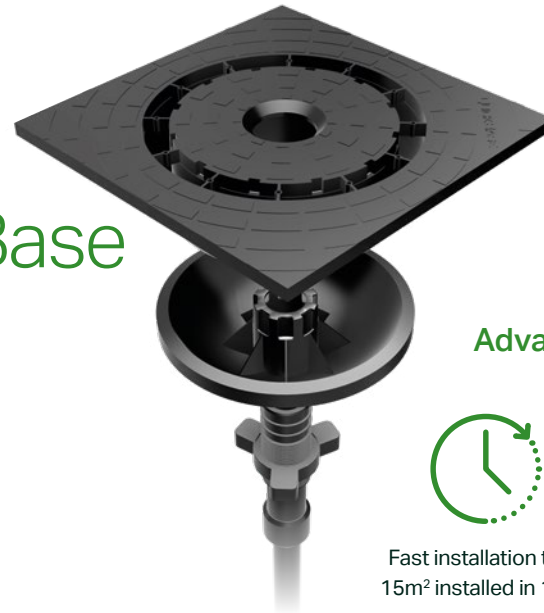
The modular system is based on helical screw piles, which support lightweight, part-recycled plastic ground beams connected via a series of push-fit joints to form a frame. The ground beam is then filled with a specially formulated non-shrink grout to give a high strength composite beam. The frame carries the load of the building through the piles to suitable bearing strata, uniquely removing the need for mass concrete foundations. It is then fitted with a premanufactured damp proof floor slab onto which the inner wall of the conservatory or extension is built.

QuickBase is particularly cost effective when working in confined spaces, where soil conditions would usually require deep excavation, where limited parking restricts the ability to remove the spoil associated with deep excavation and where trees are near the built site.

The QuickBase system doesn't require wet trade finishing, so labour costs are cheaper and build time is faster. The foundations can be quickly installed rapidly with up to 15m2 installed in a day.

Unlike traditional foundations, QuickBase is ideal for less than perfect ground. The piles are generally driven to 4m depth (deeper if required), guaranteeing suitable load-bearing strata, and avoiding troublesome tree roots.

QuickBase is fully compliant with Building Regulations and designed to meet Local Building Control standards. Our Engineers work in partnership with both Local Authority and Private Building Control to ensure all requirements are met. We also offer technical CPD's to any teams not familiar with the system.



Advantages of the system



Fast installation time
15m² installed in 1 day



No need for mass
concrete foundations



Reduces site excavation work



Minimises spoil to landfill

Other piling systems available

ShireClayPile
Anti-heave engineering

ShireRootBase
Installed in 15 minutes

