



SPEEDECK
FOUNDATIONS LIMITED

DESIGN AND BUILD FOUNDATION SOLUTION
CONSTRUCTION PROCESS OVERVIEW



ABOUT US



At SPEEDECK, we provide a complete packaged foundation solution that helps reduce the risk and costs associated with managing multiple specialist sub-contractors.

Our piled raft solution offers enhanced load distribution compared to traditional pile ground beam systems, providing greater stability. It simplifies construction by integrating foundation and slab work, saving time and labour. Additionally, it reduces material costs and minimises environmental impact with fewer components.

We believe that our approach can help simplify the construction process for your project and provide a more efficient method for delivering the design and build of foundation packages, especially on variable or hard to work with ground.



SEQUENCE OF CONSTRUCTION

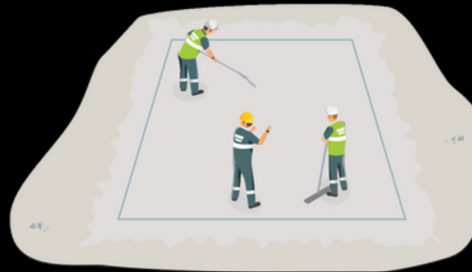
STEP
01



Site Preparation

The ground worker makes sure the area is ready and level for construction, aiming for a CBR of 2%. They also create a 1-meter working space.

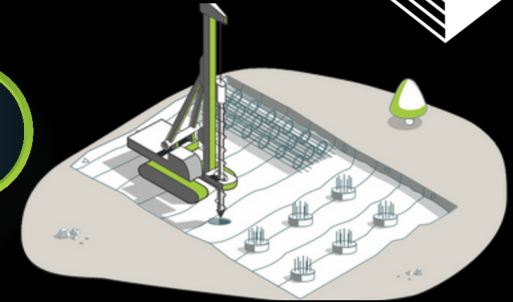
STEP
02



Working Platform

Using SPEEDECK Blind with 50mm C30 concrete blinding extending 500mm beyond the perimeter. We eliminate the need for a temporary granular piling mat.

STEP
03



Piling

We arrange the placement of piles, then install CFA piles (other methods are also possible) with supervision. The ground worker removes the excavated material from the piles.

STEP
04



Drainage & Services

We will cut down and test the piles, setting out each plot. Next, we install under slab drainage, conduct testing and take as-built drawings. We then dig any pile caps, ground beams and edge thickenings and re-blind.

STEP
05



Raft Construction

The re-usable shuttering is installed, followed by the steel reinforcement to create the raft. Heave protection and gas protection is also installed at this stage if required.

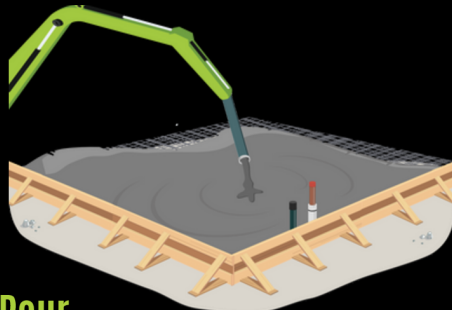
STEP
06



QA & Building Control Sign off

Our QA checks now take place. Building control is checked and the warranty provider is signed-off.

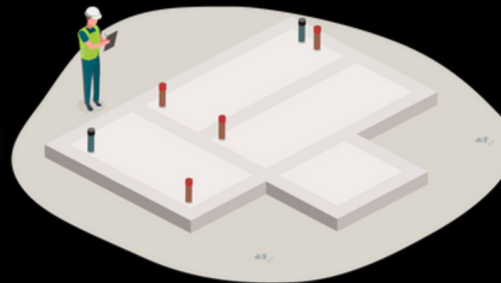
STEP
07



Concrete Pour

The setup of the concrete pump on site coincides with quality checks on the concrete. Once ready, the concrete is poured, we then follow up with an easy float or a tamp finish.

STEP
08



Completion & Handover

The re-usable shutters are struck once the concrete has cured, we then conduct our post pour inspections and as-built drawings and hand the plot over to the client.

STEP
09



O&M Pack Provided

Certifications, testing records and as-built drawings are handed over to the Client to complete the site.

OUR CLIENTS

LOVELL
HOMES


HIGHWOOD
—

Wates 

 COUNTRYSIDE
Homes


Vistry 
Partnerships


McCARTHY STONE
Life, well lived

 FOREMAN
HOMES

Bellway


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