Precast foundation packages
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EXPERTISE

Precast Foundation Packages provide a complete sub-structure solution for new build domestic dwellings and commercial buildings and can be used when difficult or contaminated site ground conditions are encountered.

The core elements of the foundation package are load bearing piles, PCC pile caps, PCC ground beams and a structural floor. These elements produce a monolithic sub-structure, or ‘table-top’ allowing follow-on trades to work from a clean, level and dry platform.

Different pile types and techniques can be used with the Foundation Package to best suit the existing site ground conditions.

Suitable pile types include:
- Pre-Cast Concrete Driven Piles
- Tubular Steel Driven Piles
- CFA (Continuous Flight Auger) Bored Piles
- Bottom Driven Low Vibration Mini Piles

The most economical and suitable pile type can be assessed from an analysis of the site soil investigation report. Consideration can also be given to the use of low vibration and reduced noise piling techniques for use in residential or environmentally sensitive areas.

Precast foundations packages provide a economical & value-engineered sub-structure, without producing the unnecessary waste of concrete, blockwork & excavation work involved with In-situ and traditional foundation methods.
Precast foundation packages

TARANTO FOUNDATION PACKAGE VS TRADITIONAL CONSTRUCTION METHODS

OUR PRODUCT BENEFITS

- Single Source Sub-Structure Provider
- Minimum Excavation & Site Preparation
- Cost Savings on Traditional Foundation methods (Note comparison above)
- NHBC & Building Control Approved
- High Quality Factory Produce Product to ISO 9001 Accreditation
- High Accuracy of Finished Product suitable for Timber Frame and Modular Superstructures
- Flexible & Bespoke Structural Design to Clients Requirements
Precast foundation packages

SOLUTIONS

Taranto is the only company in both the UK & Ireland to design, manufacture and install each of the core elements of the foundation package. All of the elements of our foundation package; piles, pile caps, ground beam and structural floors, are designed and manufactured at our Tandragee production facility and are made to the highest factory standards and accredited with ISO 9001 and CE mark.

Through the use of our full product range Taranto offers value-engineering and considerable cost savings to our clients. We offer the largest range of PCC pile sizes available in the UK & Ireland and our in-house geotechnical design team can choose the most economical and technically suitable pile to our clients’ needs; there is no need for costly oversizing and wasteful with the Taranto foundation package.

Our designs are full insured with a continuous professional indemnity policy of £5,000,000.00 and a full 12 year insurance backed warranty is available on all our design, manufacture and installation works.

EXPERIENCE

Taranto has over 20 year’s experience of the design, manufacture and installation of precast foundation packages for domestic dwellings and commercial units. Our design team were heavily involved in the research and development of foundation packages and have development the product to suit modern building techniques such as timber frame and modular superstructures.

Our in-house structural design team produce bespoke designs and construction layouts for each project (see pile & beam layouts on previous page); whilst our in-house geotechnical design team analyse site conditions and design a foundation suitable to the building type and to the ground and environmental conditions on site.

The Taranto Foundation Package system has been used on several of the largest housing projects in both the UK & Ireland, but has also been successfully used on new build nursing homes, schools, libraries, council buildings, retail units & commercial units.

Low piling rig mobilization costs allow the foundation package to be suitable for Single Plots and for Selfbuilders; the system can also be used for extensions and new build conservatories and sun rooms.