



TERRADrive
PILING AND FOUNDATIONS LTD.

Precast Concrete Piling



1800 PILING
FREEPHONE 7 4 5 4 6 4

Enterprise House, O'Brein Rd., Carlow, Co. Carlow
t. (059) 9164419 f. (059) 9164420 e. mail@terradrive.ie w. www.terradrive.ie



Precast Concrete Piling is a cost effective, very versatile and quality assured piling technique.

Piles are available in a range of standard sizes from 200mm square to 300mm square and can accommodate load capacities of up to 1200kN per pile.

Standard pile modules are reinforced over their whole length with a 4 bar cage – the reinforcement employed is designed for the specific loading conditions required.

Precast concrete piles are manufactured under controlled factory conditions, allowing for rigorous quality control throughout the manufacturing cycle to produce a superior product to piles constructed in-situ.

As precast concrete piles are manufactured under controlled conditions, and typically employ higher strength concrete, they can accommodate larger applied loads than in-situ constructed piles of the same cross sectional area.

Advantages of Precast Concrete Piling

ECONOMIC

- Speed of construction
- Follow on work is immediate - no delays to site activities,
- No spoil = no 'hidden' costs of attendances to piling rig or stockpiling / removal of material off site,
- Different pile sizes can be installed – no additional costs associated with deploying additional machinery/modifying existing plant,
- No over design – the individual pile sizes are dictated by the load capacity required and not by the machinery employed.

QUALITY

- Pile modules are manufactured in controlled factory conditions – quality guaranteed,
- Pile modules can be visually inspected prior to installation,
- Installation method proves pile capacity – piles are installed to a prescribed set or resistance directly correlating to the load capacity.

SAFETY

- No manual handling of component materials on site,
- No 'wet' concrete work,
- No open bores or excavations,
- Piles readily identifiable when installed - no trip/fall hazards
- No spoil/loose material in piling area.

ENVIRONMENTAL

- No spoil arisings from installation – this is particularly important on 'brown field' or contaminated sites,
- Factory controlled manufacturing ensured that there are virtually no wasted materials,
- Installation procedures improved general ground conditions by compacting surrounding sub-soils.

Pile Size	Load Range
200mm square	up to 500kN
250mm square	up to 800kN
300mm square	up to 1200kN
350mm square	up to 1500kN

Table 01 typical pile capacities

TERRADRIVE

PRODUCT PORTFOLIO

PRECAST HOUSE FOUNDATIONS



PRECAST CONCRETE PILING

LOW VIBRATION PILING

RESTRICTED ACCESS PILING

STEEL BEARING PILES

