

CASE STUDY
Dunelm Offices
System, Leicester



Greenpiling

PROJECT OVERVIEW:

Client: Dunelm Mill
Sub-contracted to: Bowmer & Kirkland
Engineer BSP Consulting
Sector: Commercial
Value: £55k
Description of Works: Design, construct and installation of piles to form part of the foundations for new offices

TECHNICAL DETAILS:

Type of Piling System: Continuous Flight Auger (CFA)
Soil Conditions: Made Ground/Sand/Silt/Gravel/Mudstone
Max Load kN: Up to 1600kN
Length of piles: Up to 17m
Type of testing: Integrity
No of piles installed: 101 No.
Diameter of piles: 450mm and 600mm

Green Piling Limited were subcontracted to design and install CFA piles for new Dunelm Mills offices in August 2010. The piles were installed over a period of 9 days using our newly purchased Soilmec R312 rig. Piling was undertaken from a split piling platform.

Only a limited site investigation report was available prior to commencing on site therefore probe piles were first installed to finalise pile lengths, which were agreed with the Engineers based on the results and review of data.

As the design was based on a factor of safety of 3.0, static load testing was not required, 100% integrity testing was performed on the completed piles.

