

Anchored Micro-Pile for a building in Azca (Madrid)

Client: Corte Inglés

Period for execution: Two months

An anchored micro-pile screen was executed for the El Corte Ingles building in Azca (Madrid).

Given the small dimensions of the plot of land and the provisional supporting of the excavation at a depth of 12.5 lm, execution of a micro-pile curtain was proceeded with, the same conveniently strutted with three levels of provisional anchors.

Micro-piles: 168 Units, \varnothing 150mm and tubular reinforcement, \varnothing 114 x 101 mm, L.E. >4600 Kg./cm². Depth 17.00 lm, separation 0.25 lm.

Anchors: 30 units of provisional cable anchors, \varnothing 0.6" corresponding to 16.00 lm and a working tension of 40 Tons to 58 Tons.

Once the micro-piles were executed, placing of metallic connection beams to the micro-pile anchors was proceeded with during each excavation phase.

The execution period for the micro-piles was two months, using a Klemm RK-806-D perforation cart for the same.

MOST SIGNIFICANT DATA:

168 micro-piles, \varnothing 150 mm with tubular reinforcement, \varnothing 114 x 101 mm.

Length of the micro-piles, 17.00 m.

30 provisional anchors, 0.6" to 16.00 m.

