REINFORCEMENT OF FOUNDATIONS WITH REINFORCED MICRO-PILES WITH EXCELLENT RESISTANCE TO SULFATES

Consolidation of foundations

APPLICATION DATA SHEET

1. drilling and insertion of tubular reinforcement;
2. injection of cement-based mortar.

1) DRILLING AND INSERTION OF TUBULAR REINFORCEMENT

Drilling holes suitable for special steel piles of small diameter and high load-bearing capacity for foundations, sub-foundations, anchorages, performed with rotary or rotary percussion probes, with the possibility of drilling with different inclinations. Drilling may also be carried out in the presence of heterogeneous substrates, such as mixed masonry, stones of different hardness, or vegetable soil.
Insertion in the perforations of N 80 steel tubular armor consisting of muffled pieces of different lengths from 3 to 5 meters, with the possibility of covering a total length of 60 meters, fitted with check valves at intervals of about one meter at the bottom for about 50% of the total length.

2) INJECTION OF CEMENT-BASED MORTAR

Creation of a sheath between the ground wall and the steel core by low-pressure injection of ready-to-use hydraulic mortar with high resistance to sulphates Betonfix PL and subsequent injection under high pressure through the valves of the same mortar .
Material consumption will be indicated in the Technical Data Sheet.

Kimia S.p.A.
Via del Rame, 73
06134 Perugia (Italia)

Tel. +39 075 5918071
E-mail: Info@kimia.it

Website:
www.kimia.it