



SITE REPORT



TERRA-MIX

CONSTRUCTED: APRIL 2008

PROJECT: FMZ + EUROMASTER, DONAUFLDSTR. A-1210 WIEN

GEOTECHNICS: GEO ENGINEERING, A-3400 KLOSTERNEUBURG

Job Definition:

At Donaufelderstraße Nr. 133 a new warehouse centre + Euromaster was to be erected. The site investigation at the respective construction area indicated the existence of unfavourable subsoil conditions i.e. loose to at most medium dense sandy gravel.

- Excavation of several meters of soil and re-fill with lean concrete below the foundations
- Impaction Compaction

Solution:

For reasons of economy and technical equivalence it was decided to use the system of Rapid Impact Compaction by the firm **TERRA-MIX**. After constructing a calibration area the exact pattern and the number of compaction passes was established together with the geotechnical engineer for the project (**GEO ENGINEERING**).



Vibrations:

Special attention was given to vibrations occurring during the compaction work.

The construction area adjoins at the northern side a garden market with glasshouses and at the southern side a new petrol station and a local water supply main running parallel along the construction site. For safety a distance of 6 m was to be maintained to the bordering petrol station and the water supply line.

Results:

By using the low resource system of Rapid Impact Compaction one achieved an equalisation of the soil parameters and a forestalling of settlements.

The existing structures were not damaged by the vibrations and by measuring and recording the vibration velocity continuously it could be proven that the permissible limits were not exceeded.



TERRA-MIX

WE COMPACT SOILS

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