

Netherlands, 29 recreation houses

TYPE OF APPLICATION: Cellar wall in situ

LOCATION: Schoorl-project De Branding, Camperduin

DATE OF CONSTRUCTION: September - December 2008

ENGINEER: A. Harder bv - Netherlands

CONTRACTOR: specialized contractor De Jong - Ursem



overview of job-site

Description of the project

Phase 1 of this project (29 units) was realized by the subcontractor de Jong, based in Ursem and specialized in the execution of cellar walls in situ. They also have references in public works.

Our technical department supported the contractor and we were in direct contact with the designing office.

The material properties are the result of the European Standard test method (EN14651). These values are used in our design method, based on the official Rilem recommendation (TC162TDF - 2004). This alternative was accepted by the responsible engineer. Finally, the concept was approved by the local authorities. This standardized and easy-to-apply reinforcement solution is time-saving and the investor did benefit from shorter execution time. We used Dramix(R) Green fibers. The galvanized fibertype is corrosion free and results in a very durable concrete. Phase 2 (14 units) planned first quarter 2009.



concrete delivered by BEMA Alkmaar (60 % Mebin- Heidelberg group)

Solution with Dramix®

Fibre type:

RC 80/60 CN

Concrete thickness:
250 mm

Concrete quality:
C 28/35

Project size:
phase 1=12 ton, phase 2=5t

