



To: Neotex S.A.

Subject: Short report on cementitious waterproofing system

Within the context of the Research Programme between your company and the A.U.Th. Laboratory of Building Materials and at the customer's request we provide a short report on the results of the tests on the cementitious waterproofing system Revinex Flex System FP, which was brought into the Laboratory by NEOTEX S.A.

- Resistance to water penetration under pressure

The test was carried out on the cementitious waterproofing system Revinex Flex System FP, which was applied to three reference concrete samples according to the manufacturer's instructions. Material consumption was measured equal to 3.75 kg/m<sup>2</sup>. The test was performed according to the requirements of DIN 1048-5 "Testing concrete; Testing of hardened concrete (Specimens prepared in mould)" and EN 12390-8 "Testing hardened concrete. Depth of penetration of water under pressure", with the differentiation of using 7 bar water pressure instead of 5 (Fig.1), meaning that the testing was carried out with more demanding conditions than those required by the standards. The three test specimens, after 28 days of proper curing were subjected to water under pressure for a period of 72 hours, in the apparatus shown in Fig.2. Then, the specimens were removed (Fig.3) and were split in two halves by shear failure, in order to determine the level of water intake. From this measurement, the specimens covered with Revinex Flex System FP showed zero water penetration (Fig.4).



Fig.1 Water pressure equal to 7 bar



Fig.2 Water penetration testing setup



Fig.3 Specimen after testing



Fig.4 Split specimen with zero water penetration

A handwritten signature in blue ink, which appears to read 'Eleftherios Anastasiou'.

Eleftherios Anastasiou  
Assistant Professor