

Research Concerning the Water Seepage in the Basement of the Orthodox Cathedral of Bacău

Author(s): Ancuța Rotaru • Paulică Răileanu • P. Rotaru

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Abstract text:

Most basement water problems appear and it is always necessary to prevent and to eliminate them. If these problems occur at a new and very important building, the solutions must appear immediately. The paper describes the research made at the Orthodox Cathedral of Bacău, Romania, from the point of view of the water appeared in the basement and in the Civil Defense Shelter in the early 2007. The research used the results of two geotechnical profiles, which show bedding consisting of a packing layer of 2.00 m thick, a fine sedimentary horizon of 6.00 m thickness and a coarse sedimentary horizon at -8.00 m depth. Groundwater is quartered in the coarse sedimentary horizon, the latter ranging from 10.00 m to 11.00 m below the Natural Ground Elevation. After the presentation of sources from where water could come, the paper presents some water leak mitigation methods to be used at the Orthodox Cathedral of Bacău

Key Words:

Orthodox Cathedral of Bacău; Water Seepage, Impermeable Plaster, Sewer with Oviform Section.

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Author(s) Information

Ancuța Rotaru

Affiliation: „Gheorghe Asachi” Technical University, Jassy, Department of Transportation Infrastructure and Foundations.

Email: arotaru@ce.tuiasi.ro

Paulică Răileanu

Affiliation: „Gheorghe Asachi” Technical University, Jassy, Department of Transportation Infrastructure and Foundations.

Email: -

P. Rotaru

Affiliation: „Gheorghe Asachi” Technical University, Jassy, Technical Department

Email: -

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