

## Durability of Light-Weight Concrete

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**Abstract :** The paper focuses on research of durability and lifetime of dense light-weight concrete with artificial light-weight aggregate Liapor exposed to various types of aggressive environment. Experimental part describes testing of designed concrete of various strength classes and volume weights exposed to cyclical freezing, frost and chemical de-icers and various types of chemically aggressive environment.

**Keywords :** aggressive environment, durability, physical-mechanical properties, light-weight concrete

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