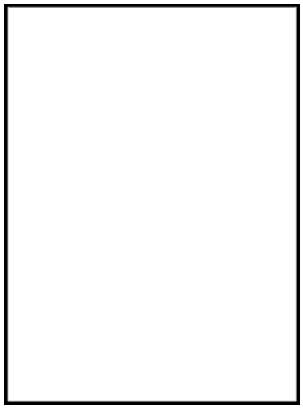
# Leaching of metals from modern concrete and resulting durability implications

## University of Portsmouth, Dept. of Civil Engineering - (Concrete materials and applications, Concrete, Materials) BRE



Description: -
-Leaching of metals from modern concrete and resulting durability implications
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Notes: Thesis (Ph.D.) - University of Portsmouth, 1997.
This edition was published in 1997



Tags: #Leaching #of #metals #from #cement #under #simulated #environmental #conditions

**Brian Cherry Paper Series**

Fire will expose the concrete to gases and liquids that can be harmful to the concrete, among other salts and acids that occur when gases produced by a fire come into contact with water. Design of normal concrete mixes The second edition of this best-selling book remains the standard guide on concrete mix design. On the surface of concrete pavements the ASR can cause pop-outs, i.

**Bioleaching: metal solubilization by microorganisms**

The definition of macrocell corrosion being as at Section 4. In this paper, we characterize the leaching of heavy metals Ni, Cu, Zn, Cd, and Pb from eight contaminated soils over a wide range of pH pH 0.

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As expected, there is a very strong correlation between the splitting and flexural strengths, as they both constitute different indirect measures of the tensile concrete strength see Fig.

**Bioleaching: metal solubilization by microorganisms**

High grade concrete This publication deals with the results of a study to establish whether the deleterious effect on strength development of micro silica in very high grade concrete also occurred in lower grades. Energy-efficient in-situ concrete housing using EPS formwork This report describes the method of housing construction using expanded polystyrene EPS permanent insulating formwork.

**Choosing materials for building projects**

Plant and Soil 2020, 455 1-2 , 1-22.

**Bioleaching: metal solubilization by microorganisms**

Sea-dredged aggregates in concrete Discusses the basic facts about marine aggregates in relation to BS 8110. The applied stress carried at minimum volume was compared with the long-term strength of concrete under sustained loading, and the effect of concrete grade was studied.

**Concrete degradation**

It assesses the current level of protection afforded to the reinforcement and gives advice on durability management, maintenance and refurbishment. The one described here task 6 was concerned with early age acceptance of concrete.

**Effects of concrete waste on characteristics of structural fired clay bricks**

High grade concrete This publication deals with the results of a study to assess how stress-strain behaviour is affected by increasing the concrete grade. . Granulated iron blast-furnace slag is the glassy non-metallic granular material, essentially consisting of silicates, aluminosilicates and calcium, resulting from the rapid chilling of molten iron blast-furnace slag Standards Australia, 2016.

## Related Books

- Matematicheskie metody v planirovanii i upravlenii na predpriiatiiakh legkoĭ promyshlennosti
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