



Concrete Corrosion and Concrete Protection (Hardback)

By Imre Biczok

Chemical Publishing Co Inc., U.S., United States, 1967. Hardback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Contents - Preface to the English edition - Preface to the German edition - Introduction - CHAPTER I. - The basic materials of concrete - A) Cements and their resistance to corrosion - 1. The composition of cements - 2. The hydration of cement - 3. The resistance of various cements to chemical attack - B) Aggregates - 1. Sand - 2. Gravel - 3. Crushed stone - 4. Blast-furnace slag - 5. Coal slag - 6. Other aggregates - 7. Conclusion - C) Mixing water - CHAPTER II. - Groundwater - A) Engineering hydrology - 1. Determination of the highest groundwater table - 2. Determination of variations in the highest groundwater table - 3. Groundwater flow - 4. Hydrochemical groundwater maps - B) Groundwater sampling - C) Soil sampling - D) The reliability of analytical data of groundwater and soil samples - E) Investigation of groundwater and soil properties - CHAPTER III. - The corrosion and protection of concrete - A) The investigation of concrete corrosion - 1. Corrosion research 2. Rapid methods of...



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