



Lea's Chemistry of Cement and Concrete, Fifth Edition

By Peter Hewlett

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Lea's Chemistry of Cement and Concrete, Fifth Edition, pays attention to the suitability and durability of different types of cements and concretes, their manufacturing techniques, and the role that aggregates and additives play in achieving concrete's full potential of delivering a high-quality, long-lasting, competitive, and sustainable product.

- Provides a 60% revision over the fourth edition last published in 2004
- Includes updated chapters that represent the latest technological advances in the industry, including, but not exclusive to, The Production of Low-Energy Cements, Cement Admixtures, and Concrete Aggregates
- Presents expanded coverage of the suitability and durability of materials aggregates and additives

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Editorial Review

From the Back Cover

Since 1935, **Lea's Chemistry of Cement and Concrete** has been the perfect reference for those engineers and researchers just entering the profession as those more experienced engineers and researchers who simply wish to stay abreast of the industry's best practices. Now updated for a new generation of researchers, designer and engineers, **Lea's Chemistry of Cement and Concrete, Fifth Edition**, includes the latest breakthroughs and concerns in the building, materials and construction fields. In this edition, the editor and contributors have paid extra attention to the suitability and durability of materials aggregates and additives. Outlining the condition under which concrete can excel and those situations where it may deteriorate and when precautionary or even remedial measures should be adopted.

Comprehensive in its scope and authoritative in its approach, **Lea's Chemistry of Cement and Concrete, Fifth Edition** begins with a practical discussion of the history of calcareous cements. This is followed by updated chapters representing the latest advances in the industry including but not exclusive to: The Production of Low-Energy Cements, Portland Cement: Classification and Manufacture, : Pozzolana and Pozzoianic Cements The Constitution and Specification of Portland Cements, Hydration, Setting and Hardening of Portland Cement, Cement Admixtures and Concrete Aggregates.

About the Author

Peter C. Hewlett (Editor) is Director of the British Board of Agreement. He is President of the European Organization for Technical Approvals (EOTA) and Past President of the European Union of Agreement (UEAtc). Before joining the BBA in March 1988, he was a Director of Cementation Research Limited, part of the then Trafalgar House group, working in construction and building research and development for almost 25 years

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