Papers, books and articles on cement and concrete

JULY - SEPTEMBER 1951

PAPERS AND BOOKS *Drawn from C.A.C.A. Library additions*

CONCRETE ASSOCIATION OF SOUTH AFRICA. South African cement and concrete handbook. 1951. The Association, Johannesburg. pp. 60.

BUILDING RESEARCH STATION. Concrete made with lightweight aggregate. 1951, July. Building Research Station Digest No. 32. H.M. Stationery Office. pp. 5.

WAR OFFICE. Military engineering. Vol. 14. Concrete. Part 2. Reinforced concrete design. 1951. H.M. Stationery Office. pp. 352.

McCOY, E. E. and MATHER, B. Tests of air-entraining admixtures. 1951, August. Technical Memorandum No. 6,327. Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Mississippi. pp. 26.

HABERSTOCK, K. B. Die n-freien Berechnungsweisen des einfach bewehrten, rechteckigen Stahlbetonbalkens. (Method not involving the use of the modular ratio for the design of simply reinforced concrete beams of rectangular section.) 1951. Heft 103. Deutscher Ausschuss für Stahlbeton, Berlin. pp. 160.

CAMPUS, F. Ensayos subre hormigon pretensado. (Tests on prestressed concrete.) Publication No. 102. Instituto Técnico de la Construcción y del Cemento, Madrid. pp. 42.

JOISEL, A. Recherches sur le béton pompé. (Research on the pumping of concrete.) 1951. Cahier No. 107. Cahiers du Centre Scientifique et Technique du Bâtiment, Paris. pp. 23.

The following publications were issued by the Portland Cement Association, Chicago, U.S.A.:

Concrete sewers. Publication No. C-10. pp. 48.

Concrete highways and public improvements. 1951. Summer. Vol. 32, No. 2. pp. 16.

The following publications were issued by the National Ready Mixed Concrete Association, Washington, U.S.A.:

BLOEM, D. L. Report on laboratory tests on fly ash in concrete (Series 131 and 137). 1951, August. Miscellaneous Publication No. 36. pp. 8.

BLOEM, D. L. Effects of admixtures on concrete. 1951, August. Miscellaneous Publication No. 37. pp. 6.

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MARY, M. Préparation du ciment de laitier par voie humide. Le procédé Trief. Son application au barrage de Bort-les-Orgues. (Preparation of slag cement by wet process. The Trief process. Its application to the dam at Bort-les-Orgues.) 1951. July–August. Liants Hydrauliques No. 8. pp. 16.

JOISEL, A. Recherches sur les pompes a béton. (Research on concrete pumps.) 1951. September. Matériel de Chantier No. 6. pp. 18.

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Division No. 1.

GRANHOLM, H. Modern developments in reinforced concrete design and the influence of research. pp. 51–56.

THOMAS, F. G. A review of research on reinforced concrete. pp. 57–67.

COLLINS, A. R. Research and the development of prestressed concrete. pp. 68–73.

BAKER, A. L. L. Shell construction. pp. 74–80.

Division No. 2.

BLANKS, R. F. Concrete quality control. pp. 59–65.

A'COURT, C. L. and WARD, R. Quality control of concrete with particular reference to the economic aspects. pp. 66–73.

L'HERMITE, R. Quality control of concrete. pp. 74–77.

WHITAKER, T. Lightweight concretes: a review. pp. 78–85.

NURSE, R. W. Curing concrete at elevated temperatures. pp. 86–91.

GONNERMAN, H. F. Durability of concrete in engineering structures. pp. 92–104.

Schuttbeton. Versuchsergebnisse und Erfahrungen. (No-fines concrete. Experimental results and experiences.) 1951. Fortschritte und Forschungen im Bauwesen. Reihe C, Heft 2. Franckh'sche Verlagshandlung, Stuttgart. pp. 64. This book contains the following papers:

GRAF, O. and WALZ, K. Versuche über wichtige Eigenschaften des Schüttbetons. (Tests on the more important properties of no-fines concrete.) pp. 6–31.

BRANDT, H. Die Luftschalldämmung von geschütteten Wänden aus Ziegelsplittbeton. (Sound insulating properties of walls constructed of crushed brick aggregate no-fines concrete.) pp. 32–33.

RAUSCH, E. Die Konstruktion geschütteter Leichtbetonwände im Wohnungsbau. (The construction of lightweight no-fines concrete walls for dwellings.) pp. 34–37.

DEININGER, K. Statische Fragen bei Anwendung des Schüttbetons für Wohnbaublöcke. (Some statical questions regarding the use of no-fines concrete for apartment blocks.) pp. 38–40.

BUTTER, O. and GRAF, R. Einrichtung und Organisation von Schüttbaustellen. (Organization and equipment of sites for no-fines concrete construction.) pp. 41–49.

SCHOENROCK, R. Schüttbetonschalungen. (Formwork for no-fines concrete.) pp. 50–57.

BRANDT, J. Erprobung der Schüttbauweise in Hamburg. (Experiments in no-fines concrete construction in Hamburg.) pp. 58–62.

Symposium on Prestressed Concrete Statically Indeterminate Structures. Preprints of papers presented at the Symposium, held in London on the 24th and 25th of September 1951. Issued by the Cement and Concrete Association, London.

HARRIS, A. J. Continuity of prestressed concrete structures. pp. 5.

CRACKNELL, D. W. and KNIGHT, W. A. The analysis of prestressed concrete statically indeterminate structures. pp. 32.

MORICE, P. B. Some experimental work on interconnected prestressed beams. pp. 6.

MAGNEL, G. Continuity in prestressed concrete. pp. 10.

TRIMBLE, E. G. Determination of continuity bending moments in prestressed continuous beams. pp. 6.

KEE, G. O. and JAMPEL, S. Continuity using post-tensioned high-tensile alloy steel bars. pp. 11.

GUYON, Y. A theoretical treatment of continuity in prestressed concrete. pp. 15.

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Design of concrete mixes. July 1951. C.A.C.A. Library Record Ch.22. pp. 23.

Non-destructive testing of concrete. July 1951. C.A.C.A. Library Record Ch.23. pp. 5.

Pozzolana cement. July 1951. C.A.C.A. Library Record Ch.24. pp. 10.

WIKING, B. Distribution of cement in bulk in Sweden. August 1951. C.A.C.A. Library Translation Cj.38. pp. 10.

MANCHE, H. Note on the duration of vibration of concrete. August 1951. C.A.C.A. Library Translation Cj.39. pp. 7.

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Concrete Quarterly. No. 11. May–July 1951. pp. 36.

Concrete Quarterly. No. 12. Festival Edition. August–October 1951. pp. 50.

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KARSTEN, R. Gefügeuntersuchungen an Luftporenbeton. (Investigation of the texture of air-entrained concrete.) 1951. Vol. 5, No. 7. July. pp. 195–197.

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