

INFORMACIÓN BIBLIOGRÁFICA

Siguiendo el criterio adoptado en el nº 233 -que se seguirá en números sucesivos- se incluyen los índices de diversas revistas seleccionadas entre las más interesantes que, periódicamente, se reciben en la Biblioteca del "Instituto Eduardo Torroja", las cuales se ponen a disposición de los lectores interesados en las mismas.

CEMENTO HORMIGON

Nº 729 (febrero 1994)

Control de las emisiones de NO_x en una planta de cemento, utilizando sistemas expertos basados en lógica difusa, por Fernando Bescós del Castillo.

Reducción del NO_x, un enfoque sistemático, por Kent Thomsen y Peter Rosholm.

Nuevo precalcinador bajo-NO_x, un progreso tecnológico al servicio del entorno, por Serge Jorget.

El ROTAFLAM[®] y el medio ambiente, por José L. Arias Aragón.

Medida de emisión de gases y sólidos en suspensión, por Siegfried A. Zimmermann.

CEMENTO HORMIGON

Nº 730 (marzo 1994)

Caracterización de diversos índices de aptitud a la cocción de crudo para fabricación de clínker, por José Ramón Álvarez Vega y Miguel Latorre Rovirosa.

COMO: Control de la calidad de la molienda de crudo en la industria del cemento, por Félix Corrochano, Francisco Morant, Pedro Albertos, Jesús Picó y José Simó.

Sistemas integrados de gestión para el laboratorio de las fábricas de cemento, por Javier Gutiérrez Chamorro.

Moderna automatización para la industria del cemento, por W. Klüsener y L. Maser.

IL CEMENTO

(enero-marzo 1994) - (italiano/inglés)

A proposal for evaluating the potential reactivity to alkalies of suspect aggregates, by F. Curcio, L. Cussino, N. Giuliani and A. Migheli.

Effects of impellers in slurry mixers upon thickening time and free fluid of oilwell cements, by J. Bensted.

Thermodynamics of hydrate formation late stages in cement materials, by O.P. Mchedlov-Petrosyan and V.I. Chernyavski.

The sub-cluster model of cement particle size distribution, by Feng Xiuji and Zhao Fei.

CEMENT AND CONCRETE RESEARCH

Vol. 24, nº 2 (1994)

Influence of Binder Type on Anodic Dissolution of Steel Embedded in Cement Pastes, by H.T. Cao, L. Bucea and V. Sirivivatnanon.

Mechanical Properties and Pore Structure of Carbon Fiber Reinforced Cementitious Composites, by A. Katz and A. Bentur.

The Effectiveness of Supplementary Cementing Materials in Suppressing Expansion Due to ASR: Another Look at the Reaction Mechanisms. Part 2: Pore Solution Chemistry, by J. Duchesne and M. A. Bérubé.

Characterization of Surface Corrosion of Reinforcing Steel in Cement Paste by Low Frequency Impedance Spectroscopy, by P. Gu, Y. Fu, P. Xie and J. J. Beaudoin.

The Rheology of Fresh Cement Paste Containing Polysaccharide Gums, by V. A. Ghio, P. J. M. Monteiro and L. A. Demsetz.

The Flexural Toughness and Ductility of Portland Cement-Based Binders Reinforced with Wollastonite Micro-Fibres, by N. M. P. Low and J. J. Beaudoin.

The CaO-Al₂O₃-CaSO₄-H₂O System Equilibrium States, by I. Nerád, S. Sausová and L. Stevula.

Characteristics of Shrinkage Compensating Expansive Cement Containing a Pre-Hydrated High Alumina Cement-Based Expansive Additive, by Y. Fu, P. Xie, P. Gu and J. J. Beaudoin.

Early Strength Behaviour of Fly Ash Concretes, by K. G. Babu and G. S. N. Rao.

Effects of Storage Upon the Cementing Properties of Class G Oilwell Cement Plus 8% Bentonite Blends, by J. Bensted.

Effect of Various Superplasticizers on Rheological Properties

of Cement Paste and Mortars, by I. Masood and S. K. Agarwal.

Abrasion Resistance of Concrete as Influenced by Inclusion of Fly Ash, by T. R. Naik, S. S. Singh and M. M. Hossain.

Corrosion Inhibitors for Mild Steel; Stannous Tin (SnII) in Ordinary Portland Cement, K. K. Sagoe-Crentsil, F. P. Glasser and V. T. Yilmaz.

Mas/NMR Studies of the Hydration Process of β - C_2S in the Presence of Chromium, by J. H. Chen, Y. Y. Wang, C. C. Wan and D. C. Liou.

Assessment and Evaluation of Fractal Dimension of Concrete Fracture Surface Digitized Images, by M. A. Issa and A. M. Hammad.

Microanalysis of High-Alumina Cement Clinker and Hydrated HAC/Slag Mixtures, by D. L. Rayment and A. J. Majumdar.

Rapid Techniques for Determination of Free Lime and Free Magnesia in Cement Clinker and Portlandite in Hydrates, by P. Arjunan and A. Kumar.

Temperature Rise Inside Pastes During Hydration in Hot Climates, by A. M. Alshamsi.

Effects of Fly Ash and Silica Fume on the Resistance of Mortar to Sulfuric Acid and Sulfate Attack, by K. Torii and M. Kawamura.

CEMENT, WAPNO, GIBS

Nº 6 (1993) - (en polaco)

Admissible SO_2 and NO_x emission levels from rotary kilns for cement clinker burning: domestic and foreign standards, by W. Karauda and I. Wróblewska.

A study of cement pastes for injection under hot climate, by W. Grochal and L. Rudziński.

Ecologically pure combustion in cement plants as alternative method of waste product utilization Part II, by H. Syrek and E. Nowak.

Foamed gypsum from flue gases desulphurization, N, Nowakowski and M. Sh. Ahmad.

Analysers for in-line analysis of bulk material stream, by J. Poleszak.

Aggressive action of sulphates on loaded concrete, by W. G. Piasta, Z. Sawicz and Z. Owsiak.

CEMENT, WAPNO, GIBS

Nº 2 (1994) - (en polaco)

Scope of the surface hydroxylation concept in the dissolution process of anhydrous oxides, by P. Barret.

Formation of solid solutions in the system $CaO-P_2O_5-SO_3-H_2O$, by Cz. Ostrowski and Z. Wzorek.

Utilization of spent tyres in rotary kilns for cement clinker burning, by W. Karauda, L. Wróblewska and K. Kobierzyński.

Belt conveyors for horizontal curves - the key to reducing material handling costs, by H. Lauhoff.

Rules for estimation of damage in pomiculture caused by the fall-out of dust from cement plant "Wierzbica", by K. Sporek.

CONCRETE INTERNATIONAL

Vol. 16, Nº 2 (febrero 1994)

North Halawa Valley viaduct design and construction, by Khaled Nahlawi and Carlos Banchik. More than \$1 billion in highway work.

California - A quantified bridge esthetics case study, by Stewart Gloyd. Beautiful spans without cost penalties.

Reinforced concrete deck used for bascule bridge, by Byron T. Danley. Rehabilitation of a Chicago span.

New severn bridge underway, by Alan Peterson. Another English-French venture.

Durability study of a 35 year old post-tensioned bridge, by Morris Schupack. Analysis of a Connecticut span.

A knowledge-based concrete bridge inspection system, by J. de Brito, F. A. Branco and M. Ibañez. A European approach to inspection and maintenance.

Old concrete bridges: can they carry modern traffic loads?, by Atorod Azizinamini, Yerrapalli Shekar, Gale Barnhill and Thomas E. Boothby. Research of load tests on slab bridges.

Measured and predicted temperature rise due to heat of hydration in a mass concrete stack foundation, by A. Gygax and S. Atichart. Asian project measured for temperature predictions.