

información bibliográfica

Como en números anteriores, en esta sección se da cuenta de artículos de interés que se han publicado en revistas especializadas de diversas partes del mundo.

Las personas interesadas en acceder a alguno de los artículos aquí citados, pueden solicitarlo a la Coordinadora de MATERIALES DE CONSTRUCCIÓN.

ADVANCES IN CEMENT RESEARCH

Nº 21, Vol. 6, (enero 1994)

Effect of phosphate additions on the hydration of Portland cement, por Weiping Ma y B.W. Brown.

Hydration studies of rice husk ash blended white Portland cement, por N.B. Singh, R. Sarvahi, S. Prabha Singh y A.K. Shukla.

Thermodynamic analysis of the C-S-H system, por M. Djuric, M. Komljenovic, L. Petrasinovic-Stojkanovic y B. Zivanovic.

C₃S hydration in diluted and stirred suspensions: (I) study of the two kinetic steps, D. Damidot y A. Nonat.

Small-scale durability study of gasifier slag - Portland cement blends, C.H. Bland, J. H. Sharp y G.J. Osborne.

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Nº 171 (mayo-junio 1994)

REHABILITACION

Tratamiento de la piedra en los monumentos: Técnicas aplicadas de limpieza, consolidación y restitución (I), por J. García Gallego.

CEMENT AND CONCRETE RESEARCH

Nº 3, Vol. 24, (1994)

Electrode Potential Measurements of Concrete Reinforcement for Corrosion Evaluation, por R. Francois, G. Arliguie y D. Bardy.

Hydration Products at the Blastfurnace Slag Aggregate - Cement Paste Interface, por L. Stevula, J. Madej, J. Kozánková y J. Madejová.

Influence of Mineral Admixtures on Expansive Cement Mortars, por K.J. Folliard, M. Ohta, E. Rathje y P. Collins.

Investigation of the Retarding Effect of Superplasticizers on Cement Hydration by Impedance Spectroscopy and Other Methods, por P. Gu P. Xie, J.J. Beaudoin y C. Jolicœur.

Evaluation of the Katz-Thompson Model for Estimating the Water Permeability of Cement-Based Materials from Mercury Intrusion Porosimetry Data, por A.S. El-Dieb y R.D. Hooton.

Evaluation of the Validity of the Pore Solution Expression Method from Hardened Cement Pastes and Mortars, por J. Duchesne y M.A. Bérubé.

Effect of Initial Water Curing on the Hydration of Cements Containing Natural Pozzolan, por R.I. Day y C. Shi.

Study of the Alkali-Aggregate Reaction on Concrete Prisms, por L. Curtil y M.F. Habita.

Effect of Different Water Levels on the Properties of HSR Class G Cement, por J. Bensted.

Blastfurnace Cement Mortars Manufactured with Fresh Granulated and Weathered Slags, por G. Frigione y R. Sersale.

A Through Solution Model for Volume Changes of Cement Hydration, por P. Paulini.

Texture and Grindability of the Dust Component in Portland Cement Clinker, por I. Maki, T. Tanioka, S. Ito, K. Maeda y K. Fukuda.

Hydration of C₃A and C₂(A,F) Separated from Sulphate-Resisting and White Portland Cement under Conditions of Normal Hardening and Heat Treatment, por S. Stürmer, A. Müller y J. Stark.

Small-Angle Neutron Scattering on Hardened Cement Paste and Various Substances for Hydration, por F. Häußler, F. Eichhorn y H. Baumbach.

Effect of Various Admixtures on the Particle Size Distribution of Cement Determined with the Aid of Laser Particle Analyser, por I. Massod, S.K. Agarwal y U.N. Sinha.

Contribution of Toxic Elements: Hexavalent Chromium in Materials Used in the Manufacture of Cement, por M. Frias, M.I. Sánchez de Rojas, N. García y M.P. Luxán.

The Mechanism of Hardening and Hydration of White Portland Cement Admixed with Salicylaldehyde, por A.M. Dunster, D. ap. Kendrick y J.R. Parsonage.

Corrosion of Hardened Cement Paste by Acetic and Nitric Acids. Part I: Calculation of Corrosion Depth, por V. Pavlik.

Thermodynamic Investigation of the $\text{CaO-Al}_2\text{O}_3\text{-CaCO}_3\text{-H}_2\text{O}$ Closed System at 25 °C and the Influence of Na_2O , por D. Damidot, S. Stronach, A. Kindness, M. Atkins y F.P. Glasser.

Cesium Selectivity of (Al+Na)-Substituted Tobermorite, por O.P. Shrivastava y S. Komarneni.

The Effect of Stone Dust Content in Sand, por V.L. Bonavetti y E.F. Irassar.

CEMENT AND CONCRETE RESEARCH

Nº 4, Vol. 24 (1994)

Partly-Refined Chemical By-Product Gypsums as Cement Additives, Y. Erdogan, A. Demirbas y H. Genç.

Effect of Moisture on Fractal Dimension and Specific Surface of Hardened Cement Paste by Small-Angle X-Ray Scattering, por R.E. Beddoe y K. Lang.

Paddy Husk as Raw Material and Fuel for Making Portland Cement, P. Barkakati, D. Bordoloi y P. Ch. Borthakur.

Mechanims of Expansion of Mortars Containing Reactive Aggregate in NaCl Solution, por M. Kawamura, K. Takeuchi y A. Sugiyama.

Water Permeability and Microstructure of Three Old Concretes, N. Heam, R.J. Detwiler y C. Sfraneli.

The Young's Modulus of Concrete Reconsidered, por J.M. Torrenti, C. Boulay y C. Puch.

Mechanical Properties and Microstructure of High Alumina Cement-Based Binders Reinforced with Natural Wollastonite Micro-Fibres, N.M.P. Low y J.J. Beaudoin.

Atmospheric Chloride Penetration into Concrete in Semi-Tropical Marine Environment, por M.A. Mustafa y K.M. Yusof.

Permeability and Microstructure of Plain and Polypropylene Fibre Reinforced Grouts, por M.L. Allan y L.E. Kukacka.

A Study of the Hydration and Setting Behaviour of OPC-HAC Pastes, P. Gu, Y. Fu, P. Xie y J.J. Beaudoin.

Effects of a Size in Bundled Fibers on the Interfacial Zone Between the Fibers and the Cement Paste Matrix, por S. Igarashi y M. Kawamura.

A.C. Impedance Phenomena in Hydrating Cement Systems: Origin of the High Frequency Arc, por P. Xie, P. Gu, Y. Fu y J.J. Beaudoin.

Solidificación de Hazardous Wastes Containing Cyanide, por C.D. Hills, C.J. Sollars y R. Perry.

Studies on the Formation Kinetics of Calcium Sulpho-aluminate, por M.M. Ali, S. Gopal y S.K. Handoo.

A New Approach in Evaluation of Filler Effect in Cement. I. Effect on Strength and Workability of Mortar and Concrete, por P. Krstulovic, N. Kamenic y K. Popovic.

Potential Expansion of Cement Mortars in the Presence of K_2SO_4 and Pozzolan, por M.P. Luxán, M. Frías y F. Dorrego.

Sulfate Attack on Hardened Cement Paste, J.G. Wang.

Interaction of Ionic Species in Hydrated Cement with a Superplasticizer Admixture, por A. Zmick y R. Krstulovic.

An Electrical Conductivity Method for Measuring the Effects of Additives on Effective Diffusivities in Portland Cement Pastes, por A.A. Kyi y B. Batchelor.

Low Shrinkage Cement Based Building Components, K. Kolakowski, W. De Preter, D. Van Gemert, I. Lamberts y Van Rickstal.

Influence of the Mineralogical Composition, Specific Surface Area and Strains - Crystallite Size of Alite on the Compressive Mechanical Strength of Portland Mortars. I. Clinkers of Low Tricalcium Aluminate Contents, por M.V. Muñoz, F.G. García, M.G. Rodríguez y M.C.G. Vilchez.

A Preliminary Study of Fly Ash Granulometric Influence on Mortar Strength, por J. Monzó, J. Payá y E. Peris-Mora.

IL CEMENTO

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

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

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

Thermodynamics of hydrate formation late stages in cement materials, O.P. Mchedlov-Petrosyan y V.L. Chernyavski.

The sub-cluster model of cement particle size distribution, Feng Xiuj y Zhao Fei.

CEMENTO HORMIGON

Nº 731 (abril 1994)

Componentes y especificaciones de cementos españoles y europeos, por J. Calleja.

Desarrollo de la Certificación de Cementos en España y Europa, por L. Alvarez Fernández.

Evolución de la Marca AENOR de cementos en España, por R. García Carreto.

CEMENTO HORMIGON

Nº 732 (mayo 1994)

Tecnología moderna de los aditivos de molienda, por M. S. Summer.

La química en la industria del cemento, F. Cobos Asteguieta.

La durabilidad en los prefabricados de hormigón. Ettringita secundaria, J.Mª García San Martín.

CONSTRUCTION AND BUILDING MATERIALS

Nº 2, Vol. 8 (junio 1994)

The effect of humidity on the dry deposition of sulfur dioxide onto calcareous stones, A.J. Lewry, J. Asiedu-Dompreh, D. J. Bigland y R.N. Butlin.

The overall stability of masonry-walled buildings, J.B. Bellamy.

MAGAZINE OF CONCRETE RESEARCH

Nº 166, Vol. 46 (marzo 1994)

A study of carbonation-induced corrosion, por L.J. Parot.

Service-load test on profiled composite and reinforced concrete beams, por B. Uy y M.A. Bradford.

Carbonation of concrete containing pfa, por D.W. Hobbs.

ACI MATERIALS JOURNAL

Nº 2, Vol. 91 (marzo-abril 1994)

Long-Term Durability of Reinforced and Prestressed Elements, por Mircea et al.

Bonding of Confined Steel Fiber Concrete, por Soroushian, Mirza y Alhozaimy.

Volume Change Cracking in Base-Restraint Walls, por Kheder, Al Rawi y Al Dhahi.

Furan Resin Polymer Concrete, por Solovjov, Trambovetsky y Kruger.

Toughness of Fiber Reinforced Mortar, por Glinicki.

Durability of Repaired Beams, por Dewah et al.

Alkali Contribution from Limestone Aggregate to Pore Solution, por Grattan-Bellew.

High Fly Ash Concrete, por Bisailon, Rivest y Malhotra.

Aggressiveness of Waters to Concrete, por Alexander, Addis y Basson.

Low-Permeability Concrete with Slag and Silica Fume, por Ozyildirim.

MATERIALS AND STRUCTURES

Nº 168, Vol. 27 (mayo 1994)

Interactions between chemical evolution (hydration) and physical evolution (setting) in the case of tricalcium silicate, por A. Nonat.

Determination of the moduli of elasticity of rocks. Comparison of the ultrasonic velocity and mechanical resonance frequency

methods with direct static methods, por B. Chararas, F. Auger y E. Mosse.

MATERIALS AND STRUCTURES

Nº 169, Vol. 27 (junio 1994)

Investigation of the possibility of estimating concrete strength by porosity measurements, por S. Kolias.

Cement content in concretes made with aluminous cement, por S. Chinchon, F. Guirado, S. Gali y E. Vázquez.

REVISTA DE METALURGIA

(mayo-junio 1994)

La magnetita en la fabricación de ladrillos para la acumulación de calor (Use of magnetite in the production of bricks for heat accumulation), por J.L. Otero de la Gándara y P. Alvarez.

ESTUDIES IN CONSERVATION

Nº 2, Vol. 39 (mayo 1994)

Interacción between canvas and paint film in response to environmental changes, por Gustav A. Berger y William H. Russell.

A study of the materials in the mural paintings as the "Corral del Carbón" in Granada, Spain, por L.F. Capitan-Vallvey, E. Manzano y V.J. Medina Florez.

The conservation of lead communion tokens by potentiostatic reduction, por I.A. Carradice y S.A. Campbell.

Protein determination in polichromed stone sculptures, stuccoes and gesso grounds, por Francesca Ronca.

Migração de l'eau dans les roches sous microondes en vue du dessalement des pierres de taille, por Valerie Minder-Heng, Andre-Jean Berteaud y Veronique Verges-Belmin.

The mineralization of fibres in burial environments, R.D. Gillard, S.M. Hardman, R.G. Thomas y D.E. Watkinson.

ZEMENT-KALK-GIPS

Vol. 47 (mayo 1994)

Continuidad en investigación y desarrollo - Base para tecnologías óptimas, por Dr. Ing. H. Ritzmann.

Metales pesados contenidos en el clinker y el cemento, por Prof. Dr. Ing. S. Sprung y Dr. Ing. W. Rechenberg.

El procedimiento casi seco ácido-anhidrita - Empleo de yeso procedente de la desulfuración de los gases de humo (DGH), desarrollando un procedimiento de fabricación de anhidrita procedente de la DGH, por Dr. F. Wirsching, Dr. R. Hüller y Dipl. B. Limmer.