Cement, Concrete, and Aggregates
Index to Volume 7
1985

<table>
<thead>
<tr>
<th>Number</th>
<th>Issue</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Summer</td>
<td>3-56</td>
</tr>
<tr>
<td>2</td>
<td>Winter</td>
<td>57-116</td>
</tr>
</tbody>
</table>

A

Activation energy: Discussion of "the maturity method: theory and application" by N. J. Carino (Idorn), Winter, 110

Admixtures
Improved utilization of fly ash in concrete through a chloride-free accelerator (Popolovic), Summer, 49
Influence of air temperature on the setting of concrete containing set retarding admixtures (Fattuhli), Summer, 15
Afshar, A. B.: see McCarter, W. J. and Afshar, A. B.
Aggregate cement ratio: Effect of rheological properties of cement pastes on workability of mortars (Atzeni, Massidda, and Sanna), Winter, 78
Aggregates
Durability of concrete (Rodway), Summer, 43
Trade-off of gradation and cost requirements in aggregate blending (Easa), Summer, 29
Air entraining agent: Fatigue behavior of superplasticized concrete (Lee, Yang, and Kaiser), Summer, 19
Alkali-aggregate reactions: Mechanism of pozzolanic reactions and control of alkali-aggregate expansion (Bhatty), Winter, 69
Alkali-aggregate reactivity: The effect of blast furnace slag cement on alkali aggregate reactivity: a literature review (Hogan), Winter, 100
Alkalies: Mechanism of pozzolanic reactions and control of alkali-aggregate expansion (Bhatty), Winter, 69
Aluminum oxide: Laboratory examination of high-alumina cement concrete column after 46-years exposure at Treat Island, Maine (Buck and Burkes), Winter, 108
Atzeni, C., Massidda, L., and Sanna, U.: Effect of rheological properties of cement pastes on workability of mortars, Winter, 78

B

Balabanic, G.: see Kostrenčić, Z., Bjegović, D., and Balabanic, G.
Bhatty, M. S. Y.: Mechanism of pozzolanic reactions and control of alkali-aggregate expansion, Winter, 69
Bjegović, D.: see Kostrenčić, Z., Bjegović, and Balabanic, G.
Blending: Trade-off of gradation and cost requirements in aggregate blending (Easa), Summer, 29
Buck, A. D. and Burkes, J. P.: Laboratory examination of a high-alumina cement concrete column after 46-years exposure at Treat Island, Maine, Winter, 108
Burkes, J. P.: see Buck, A. D. and Burkes, J. P.
Butler, W. B.: Discussion of "Optimizing the amount of Class C fly ash in concrete mixtures" by R. M. Majko and M. F. Pistilli, Summer, 52

C

Cement pastes: Diagnostic monitoring of the physico-chemical processes in hydrating cement paste (McCartner and Afshar), Winter, 57
Cements: Application of CCRL data in the formulation of precision estimates for selected cement standards (Piekert, Haverfield, and Spellerberg), Summer, 37
Chemical composition: Cementitious properties of nonferrous slags from Canadian sources (Douglas, Malhotra, and Emery), Summer, 3
Chloroprene resins: Neoprene pads for capping concrete cylinders (Ozyildirim), Summer, 25
Chung, H.-W. and Law, K. S.: Assessing fire damage of concrete by the ultrasonic pulse technique, Winter, 84
Compressive strength: Improved utilization of fly ash in concrete through a chloride-free accelerator (Popovic), Summer, 49
Neoprene pads for capping concrete cylinders (Ozyildirim), Summer, 25
Nondestructive combined methods applied to structural concrete members (Di Maio, Traversa, and Giovambattista), Winter, 89

Concretes
Assessing fire damage of concrete by the ultrasonic pulse technique (Chung and Law), Winter, 84
Influence of air temperature on the setting of concrete containing set retarding admixtures (Fattuhli), Summer, 15
Discussion of "the maturity method: theory and application" by N. J. Carino (Idorn), Winter, 110
Discussion of "Optimizing the amount of Class C fly ash in concrete mixtures" by R. M. Majko and M. F. Pistilli (Butler), Summer, 52
Mathematical evaluation of the quality of repairs on concrete specimens (Kostrenčić, Bjegović, and Balabanic), Winter, 95
Mechanism of pozzolanic reactions and control of alkali-aggregate expansion (Bhatty), Winter, 69
Control: Mathematical evaluation of the quality of repairs on concrete specimens (Kostrenčić, Bjegović, and Balabanic), Winter, 95
Cores: Nondestructive combined methods applied to structural concrete members (Di Maio, Traversa, and Giovambattista), Winter, 89
Corrosion: Durability of concrete (Rodway), Summer, 43
Covers: Durability of concrete (Rodway), Summer, 43

D

Di Maio, A. A., Traversa, L., and Giovambattista, A.: Nondestructive combined methods applied to structural concrete members, Winter, 89
Douglas, E., Malhotra, V. M., and Emery, J. J.: Cementitious properties of nonferrous slags from Canadian sources, Summer, 3
Durability
Discussion of "Optimizing the amount of Class C fly ash in concrete mixtures" by R. M. Majko and M. F. Pistilli (Butler), Summer, 52
Laboratory examination of high-alumina cement concrete column after 46-years exposure at Treat Island, Maine (Buck and Burkes), Winter, 108

Copyright © 1985 by ASTM International

www.astm.org
E
Easa, S. M.: Trade-off of gradation and cost requirements in aggregate blending, Summer, 29

F
Fatigue strength at N cycles: Fatigue behavior of superplasticized concrete (Lee, Yang, and Klaiber), Summer, 19
Fattuhi, N. L.: Influence of air temperature on the setting of concrete containing set retarding admixtures, Summer, 15
Fires: Assessing fire damage of concrete by the ultrasonic pulse technique (Chung and Law), Winter, 84
Fly ash: Improved utilization of fly ash in concrete through a chloride-free accelerator (Popovics), Summer, 49
Fly ash (Class C): Discussion of “Optimizing the amount of Class C fly ash in concrete mixtures” by R. M. Majko and M. F. Pisticci (Butler), Summer, 52

G
Giovambattista, A.: see Di Maio, A. A., Traversa, L., and Giovambattista, A.
Gradations: Trade-off of gradation and cost requirements in aggregate blending (Easa), Summer, 29

H
Hogan, F. J.: The effect of blast furnace slag cement on alkali aggregate reactivity: a literature review, Winter, 100
Hydration: Diagnostic monitoring of the physio-chemical processes in hydrating cement paste (Mccarter and Afshar), Winter, 57
Hydraulic cements: Neoprene pads for capping concrete cylinders (Ozyildirim), Summer, 25
Hydrolysis: Diagnostic monitoring of the physio-chemical processes in hydrating cement past (McCarter and Afshar), Winter, 57

I-L
Idorn, G. M.: Discussion of “the maturity method: theory and application” by N. J. Carino, Winter, 110
Klaiber, F. W.: see Lee, D.-Y., Yang, J. J. F., and Klaiber, F. W.
Kostrenčić, Z., Bjegević, D., and Balabanac, G.: Mathematical evaluation of the quality of repairs on concrete specimens, Winter, 95
Law, K. S.: see Chung, H.-W. and Law, K. S.

M
Maintenance: Mathematical evaluation of the quality of repairs on concrete specimens (Kostrenčić, Bjegević, and Balabanac), Winter, 95
Massida, L.: see Atzeni, C., Massidda, L., and Sanna, U.
McCarter, W. J. and Afshar, A. B.: Diagnostic monitoring of the physio-chemical processes in hydrating cement paste, Winter, 57
Meininger, R. C.: Richard C. Meininger receives ASTM Award of Merit, Winter, 112
Mortars (material): Discussion of “the maturity method: theory and application” by N. J. Carino (Idorn), Winter, 110
Effect of rheological properties of cement pastes on workability of mortars (Atzeni, Massidda, and Sanna), Winter, 78

N
Nondestructive methods: Nondestructive combined methods applied to structural concrete members (Di Maio, Traversa, and Giovambattista), Winter, 89
Nondestructive tests: Assessing fire damage of concrete by the ultrasonic pulse technique (Chung and Law), Winter, 84

O-P
Ozyildirim, C.: Neoprene pads for capping concrete cylinders, Summer, 25
Penetration tests: Influence of air temperature on the setting of concrete containing set retarding admixtures (Fattuhi), Summer, 15

P-S

S
Seawater: Laboratory examination of high-alumina cement concrete column after 46-years exposure at Treat Island, Maine (Buck and Burkes), Winter, 108
Slag cements: The effect of blast furnace slag cement on alkali aggregate reactivity: a literature review (Hogan), Winter, 100
Slags: Cementitious properties of nonferrous slags from Canadian sources (Douglas, Malhotra, and Emery) sources, Summer, 3
Standards: Application of CCRL data in the formulation of precision estimates for selected cement standards (Pielert, Haverfield, and Spellerberg), Summer, 37
Traversa, L. P.: see Di Maio, A. A., Traversa, L., and Giovambattista, A.

W-Y
Water cement ratio: Fatigue behavior of superplasticized concrete (Lee, Yang, and Klaiber), Summer, 19
Yang, J. J. F.: see Lee, D.-Y., Yang, J. J. F., and Klaiber, F. W.