

Cement, Concrete, and Aggregates

Index to Volume 10

1988

Number	Issue	Pages
1	Summer	3-60
2	Winter	61-118

A

- Abrasion resistance:** Abrasion Resistance of Surface-Treated Concrete (Sadegzadeh and Kettle), Summer, 20
- Absorption:** Test Methods for Rapid-Hardening Magnesium Phosphate-Based Cements (Popovics and Rajendran), Summer, 39
- Adkins, D.:** *see* Moukwa, M. and Adkins, D.
- Air bubble size:** Analytical Investigation of the Influence of Air Bubble Size on the Determination of the Air Content of Freshly Mixed Concrete (Hover), Summer, 20
- Air content:** Analytical Investigation of the Influence of Air Bubble Size on the Determination of the Air Content of Freshly Mixed Concrete (Hover), Summer, 20
- Air voids:** Effect of Air-Entraining Agent on Air-Void Parameters of Low- and High-Calcium Fly Ash Concretes (Rodway), Summer, 20
- Akyuz, S.:** *see* Tasdemir, M. A., Akyuz, S., and Uzunhasanoglu, N.
- Alexander, M. G.:** Use of Ultrasonic Pulse Velocity for Fracture Testing of Cemented Materials, Summer, 9

B

- Book reviews**
- Fly Ash in Cement and Concrete (Johnston), Summer, 51
- Nordic Research on Hydration of Cement (Gartner), Winter, 00
- Buck, A. D.:** Evaluation of the Frost Resistance of Concrete Using Critical Dilation, Summer, 48
- Butler, W. B.:** Economical Binder Proportioning with Cement-Replacement Materials, Summer, 45

C

- Carbonate additions:** Limestone Additions to Portland Cement—an Old Controversy Revisited (Mayfield), Summer, 3
- Cement specifications:** Limestone Additions to Portland Cement—an Old Controversy Revisited (Mayfield), Summer, 3

Concrete

- Abrasion Resistance of Surface-Treated Concrete (Sadegzadeh and Kettle), Summer, 20
- Analytical Investigation of the Influence of Air Bubble Size on the Determination of the Air Content of Freshly Mixed Concrete (Hover), Summer, 29
- Creep of Lightweight Aggregate Concrete Under Variable Stresses (Tasdemir, Akyuz, and Uzunhasanoglu), Winter, 00
- Economical Binder Proportioning with Cement-Replacement Materials (Butler), Summer, 45
- New Approach for a Concrete Scaling Test Based on Field Conditions (Moukwa and Adkins), Winter, 113
- Production and Evaluation of a New Source of Granulated Blast Furnace Slag (Douglas, Wilson, and Malhotra), Winter, 61
- Use of Ultrasonic Pulse Velocity for Fracture Testing of Cemented Materials (Alexander), Summer, 9
- Concrete Materials:** Modification of the X-radiography Technique to Include a Contrast Agent for Identifying and Studying Microcracking in Concrete (Najjar and Hover), Summer, 9
- Conduction Calorimetry:** Production and Evaluation of a New Source of Granulated Blast Furnace Slag (Douglas, Wilson, and Malhotra), Winter, 61
- Contrast Agent:** Modification of the X-radiography Technique to Include a Contrast Agent for Identifying and Studying Microcracking in Concrete (Najjar and Hover), Summer, 9
- Creep:** Creep of Lightweight Aggregate Concrete Under Variable Stresses (Tasdemir, Akyuz, and Uzunhasanoglu), Winter, 61
- Critical dilation:** Evaluation of the Frost Resistance of Concrete Using Critical Dilation (Buck), Summer, 48

D

- Dilation testing:** Evaluation of the Frost Resistance of Concrete Using Critical Dilation (Buck), Summer, 48
- Douglas, E., Wilson, H., and Malhotra, V.:** Production and Evaluation of a New Source of Granulated Blast Furnace Slag, Winter, 61
- Duke, N.:** *see* Morgan, D. R., Kirkness, A. J., McAskill, N., and Duke, N.

E

- Elastic wave propagation:** Experimental Studies of Elastic Wave Propagation in High-Strength Mortar (Moneiro and King), Winter, 68

F

- Fly ash**
- Concrete Incorporating High Volumes of ASTM Class F Fly Ash (Giaccio and Malhotra), Winter, 88
- Economical Binder Proportioning with Cement-Replacement Materials (Butler), Summer, 45
- Effect of Air-Entraining Agent on Air-Void Parameters of Low- and High-Calcium Fly Ash Concretes (Rodway), Summer, 35
- Freeze-thaw:** New Approach for a Concrete Scaling Test Based on Field Conditions (Moukwa and Adkins), Winter, 103
- Frost resistance:** Evaluation of the Frost Resistance of Concrete Using Critical Dilation (Buck), Summer, 48

G

- Giaccio, G. M. and Malhotra, V. M.:** Concrete Incorporating High Volumes of ASTM Class F Fly Ash, Winter, 00
- Granulated blast furnace slag:** Production and Evaluation of a New Source of Granulated Blast Furnace Slag (Douglas, Wilson, and Malhotra), Winter, 61

H-J

- High-Strength Mortar:** Experimental Studies of Elastic Wave Propagation in High-Strength Mortar (Monteiro and King), Winter, 00
- Hover, K. C.:** Analytical Investigation of the Influence of Air Bubble Size on the Determination of the Air Content of Freshly Mixed Concrete, Summer, 29
- Hover, K. C.:** *see* Najjar, W. S. and Hover, K. C.

K

- Kettle, R. J.:** *see* Sadegzadeh, M. and Kettle, R. J.
- King, M. S.:** *see* Monteiro, P. J. M. and King, M. S.
- Kirkness, A. J.:** *see* Morgan, D. R., Kirkness, A. J., McAskill, N., and Duke, N.

L

Lime content: Effect of Air-Entraining Agent on Air-Void Parameters of Low- and High-Calcium Fly Ash Concretes (Rodway), Summer, 20

Liquid surface treatments: Abrasion Resistance of Surface-Treated Concrete (Sadegzadeh and Kettle), Summer, 20

M

Malhotra, V. M.: *see* Douglas, E., Wilson, H. and Malhotra, V. M.

Malhotra, V. M.: *see* Giaccio, G. M. and Malhotra, V. M.

Mayfield, L. L.: Limestone Additions to Portland Cement—An Old Controversy Revisited, Summer, 3

McAskill, N.: *see* Morgan, D. R., Kirkness, A. J., McAskill, N., and Duke, N.

Microcracking

Modification of the X-radiography Technique to Include a Contrast Agent for Identifying and Studying Microcracking in Concrete (Najjar and Hover), Summer, 18

Use of Ultrasonic Pulse Velocity for Fracture Testing of Cemented Materials (Alexander), Summer, 9

Mix design: Economical Binder Proportioning with Cement-Replacement Materials (Butler), Summer, 45

Monteiro, P. J. M. and King, M. S.: Experimental Studies of Elastic Wave Propagation in High-Strength Mortar, Winter, 68

Morgan, D. R., Kirkness, A. J., McAskill, N., and Duke, N.: Freeze-Thaw Durability of Wet-Mix and Dry-Mix Shotcretes with Silica Fume and Steel Fibres, Winter, 96

Moukwa, M. and Adkins, D.: New Approach for a Concrete Scaling Test Based on Field Conditions, Winter, 103

N-O

Najjar, W. S. and Hover, K. C.: Modification of the X-Radiography Technique to Include a Contrast Agent for Identifying and Studying Microcracking in Concrete, Summer, 15

P-R

Popovics, S. and Rajendran, N.: Test Methods for Rapid-Hardening Magnesium Phosphate-Based Cements, Summer, 39

Portland cement: Limestone Additions to Portland Cement—an Old Controversy Revisited (Mayfield), Summer, 3

R

Rajendran, N.: *see* Popovics, S. and Rajendran, N.

Rapid-hardening cement: Test Methods for Rapid-Hardening Magnesium Phosphate-Based Cements (Popovics and Rajendran), Summer, 39

Rodway, L. E.: Effect of Air-Entraining Agent on Air-Void Parameters of Low- and High-Calcium Fly Ash Concretes, Summer, 35

S

Sadegzadeh, M. and Kettle, R. J.: Abrasion Resistance of Surface-Treated Concrete, Summer, 20

Scaling test: New Approach for a Concrete Scaling Test Based on Field Conditions (Moukwa and Adkins), Winter, 103

Shotcrete: Freeze-Thaw Durability of Wet-Mix and Dry-Mix Shotcretes with Silica Fume and Steel Fibres (Morgan, Kirkness, McAskill, and Duke), Winter, 96

Silica fume

Concrete Incorporating High Volumes of ASTM Class F Fly Ash (Giaccio and Malhotra), Winter, 88

Freeze-Thaw Durability of Wet-Mix and Dry-Mix Shotcretes with Silica Fume and Steel Fibres (Morgan, Kirkness, McAskill, and Duke), Winter, 96

Steel fibre: Freeze-Thaw Durability of Wet-Mix and Dry-Mix Shotcretes with Silica Fume and Steel Fibres (Morgan, Kirkness, McAskill, and Duke), Winter, 96

Stress: Creep of Lightweight Aggregate Concrete Under Variable Stresses (Tasdemir, Akyuz, and Uzunhasanoglu), Winter, 61

Superplasticizer: Concrete Incorporating High Volumes of ASTM Class F Fly Ash (Giaccio and Malhotra), Winter, 88

T

Tasdemir, M. A., Akyuz, S., and Uzunhasanoglu, N.: Creep of Lightweight Aggregate Concrete Under Variable Stresses, Winter, 61

U-V

Ultrasonic testing: Use of Ultrasonic Pulse Velocity for Fracture Testing of Cemented Materials (Alexander), Summer, 9

Uzunhasanoglu, N.: *see* Tasdemir, M. A., Akyuz, S., and Uzunhasanoglu, N.

W-Z

Wave attenuation: Experimental Studies of Elastic Wave Propagation in High-Strength Mortar (Monteiro and King), Winter, 68

Wilson, H.: *see* Douglas, E., Wilson, H., and Malhotra, V. M.