

SUBJECT INDEX TO VOLUME 4

Bonding

- Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

Calcium silicate hydrate

- Microstructural analysis of young cement pastes using impedance spectroscopy during pore solution exchange (Moss GM, Christensen BJ, Mason TO, Jennings HM), 1996;4:68–75

Cement

- A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Cement matrix

- Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41
Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

Cement paste

- Microhardness testing of cementitious materials (Igarashi S, Bentur A, Mindess S), 1996;4:48–57
Microstructural analysis of young cement pastes using impedance spectroscopy during pore solution exchange (Moss GM, Christensen BJ, Mason TO, Jennings HM), 1996;4:68–75
Simulation of cement hydration and the connectivity of the capillary pore space (Navi P, Pignat C), 1996;4:58–67

Composite materials

- Effect of interfacial properties on the crack propagation in cementitious composites (Mobasher B, Li CY), 1996;4:93–105
Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

Compressive strength

- Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Concrete

- Fracture mechanics parameters of concrete: An overview (Elices M, Planas J), 1996;4:116–127
Restrained crack widening in mode I crack propagation for mortar and concrete (Turatsinze A, Bascoul A), 1996;4:77–92
Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115
Size effect aspects of measurement of fracture characteristics of quasibrittle material (Bažant, ZP), 1996;4:128–137
A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Conversion

- Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Cracking characteristics

- Effect of interfacial properties on the crack propagation in cementitious composites (Mobasher B, Li CY), 1996;4:93–105
Fracture mechanics parameters of concrete: An overview (Elices M, Planas J), 1996;4:116–127
Restrained crack widening in mode I crack propagation for mortar and concrete (Turatsinze A, Bascoul A), 1996;4:77–92

Debonding

- Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41
Thin bonded overlays: About the role of fiber reinforcement on the limitation of their debonding (Granju JL), 1996;4:21–27

Drying

- A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Durability

- Thin bonded overlays: About the role of fiber reinforcement on the limitation of their debonding (Granju JL), 1996;4:21–27

Eigenstress

- Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

Elastic properties

- A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Fibers

- Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41
Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115
Thin bonded overlays: About the role of fiber reinforcement on the limitation of their debonding (Granju JL), 1996;4:21–27

Finite element model

- A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Fracture energy

Fracture mechanics parameters of concrete: An overview (Elices M, Planas J), 1996;4:116–127

Restrained crack widening in mode I crack propagation for mortar and concrete (Turatsinze A, Bascoul A), 1996;4:77–92

Fracture mechanics

Fracture mechanics parameters of concrete: An overview (Elices M, Planas J), 1996;4:116–127

Size effect aspects of measurement of fracture characteristics of quasibrittle material (Bažant, ZP), 1996;4:128–137

Fracture testing

Size effect aspects of measurement of fracture characteristics of quasibrittle material (Bažant, ZP), 1996;4:128–137

High alumina cement

Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Hydration, cement

Simulation of cement hydration and the connectivity of the capillary pore space (Navi P, Pignat C), 1996;4:58–67

Hydrogarnet

Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Impedance spectroscopy

Microstructural analysis of young cement pastes using impedance spectroscopy during pore solution exchange (Moss GM, Christensen BJ, Mason TO, Jennings HM), 1996;4:68–75

Interfacial structure

Effect of interfacial properties on the crack propagation in cementitious composites (Mobasher B, Li CY), 1996;4:93–105

Microhardness testing of cementitious materials (Igarashi S, Bentur A, Mindess S), 1996;4:48–57

The process of sulfate attack on cement mortars (Yang S, Zhongzi X, Mingshu T), 1996;4:1–5

Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Interfacial transition zone

Microhardness testing of cementitious materials (Igarashi S, Bentur A, Mindess S), 1996;4:48–57

A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Metal fiber

Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41

Thin bonded overlays: About the role of fiber reinforcement on the limitation of their debonding (Granju JL), 1996;4:21–27

Microhardness

Microhardness testing of cementitious materials (Igarashi S, Bentur A, Mindess S), 1996;4:48–57

Microstructure

Microhardness testing of cementitious materials (Igarashi S, Bentur A, Mindess S), 1996;4:48–57

Microstructural analysis of young cement pastes using impedance spectroscopy during pore solution exchange (Moss GM, Christensen BJ, Mason TO, Jennings HM), 1996;4:68–75

Simulation of cement hydration and the connectivity of the capillary pore space (Navi P, Pignat C), 1996;4:58–67

Mortar

The process of sulfate attack on cement mortars (Yang S, Zhongzi X, Mingshu T), 1996;4:1–5

Restrained crack widening in mode I crack propagation for mortar and concrete (Turatsinze A, Bascoul A), 1996;4:77–92

A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Portland cement

Microstructural analysis of young cement pastes using impedance spectroscopy during pore solution exchange (Moss GM, Christensen BJ, Mason TO, Jennings HM), 1996;4:68–75

Pretreated aggregate

The process of sulfate attack on cement mortars (Yang S, Zhongzi X, Mingshu T), 1996;4:1–5

Pull-out behavior

Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41

Pull-out test

Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41

Quasibrittle materials

Size effect aspects of measurement of fracture characteristics of quasibrittle material (Bažant, ZP), 1996;4:128–137

Reinforcement

Effect of interfacial properties on the crack propagation in cementitious composites (Mobasher B, Li CY), 1996;4:93–105

Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aitcin PC), 1996;4:28–41

Significance of shrinkage-induced clamping pressure in fiber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

Thin bonded overlays: About the role of fiber reinforcement on the limitation of their debonding (Granju JL), 1996;4:21–27

Repairs

Thin bonded overlays: About the role of fiber reinforcement on the limitation of their debonding (Granju JL), 1996;4:21–27

Restrained crack widening

Restrained crack widening in mode I crack propagation for mortar and concrete (Turatsinze A, Bascoul A), 1996;4:77–92

Shrinkage

Significance of shrinkage-induced clamping pressure in fi-

ber-matrix bonding in cementitious composite materials (Stang H), 1996;4:106–115

A three-phase model of the elastic and shrinkage properties of mortar (Neubauer CM, Jennings HM, Garboczi EJ), 1996;4:6–20

Size effects

Fracture mechanics parameters of concrete: An overview (Elices M, Planas J), 1996;4:116–127

Size effect aspects of measurement of fracture characteristics of quasibrittle material (Bažant, ZP), 1996;4:128–137

Sodium salts

Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Steel fibers

Pull-out behavior of corrugated steel fibers: Qualitative and statistical analysis (Chanvillard G, Aïtcin PC), 1996;4:28–41

Strätlingite

Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Strength

Microhardness testing of cementitious materials (Igarashi S, Bentur A, Mindess S), 1996;4:48–57

Sulfate attack

The process of sulfate attack on cement mortars (Yang S, Zhongzi X, Mingshu T), 1996;4:1–5

Technology transfer

Questions to Dr. Carmen Andrade, Directress, Eduardo Torroja Institute for Building Sciences, Madrid, Spain (Skalny JP), 1996;4:138–140

Temperature

Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47

Tricalcium silicate

Simulation of cement hydration and the connectivity of the capillary pore space (Navi P, Pignat C), 1996;4:58–67

Water-to-cement ratios

Microstructural analysis of young cement pastes using impedance spectroscopy during pore solution exchange (Moss GM, Christensen BJ, Mason TO, Jennings HM), 1996;4:68–75

Simulation of cement hydration and the connectivity of the capillary pore space (Navi P, Pignat C), 1996;4:58–67

Zeolite

Effect of different inorganic salts/alkali on conversion-prevention in high alumina cement products (Ding J, Fu Y, Beaudoin JJ), 1996;4:43–47