

list of Articles

- 1 AL-BAYATI, A.F. et al
Concentric punching shear of waffle slab.
ACI Struct J 2015 Sept-Oct; 112(5): 533-42
E 3923-24.
Control No. : 41803
- 2 ALAIN, S., et al
In-situ measurement of viscoelastic properties of fresh
cement paste by a microheology analyzer.
Cem Concr Res 2016 January; 79: 301-15
E 3923-24.
Control No. : 41768
- 3 ALWATHAF, A.H., et al
Analytical invstigation of concrete beams reinforced with
embedded CFRP plates .
Indian Concr J 2016 June; 90(6): 58-68
E 3923-26.
Control No. : 41831
- 4 ANDERSON, T.J., et al
Lessons from the tailor-crete project.
Concr Inter 2016 March; 38(3): 54-
E 3923-24.
Control No. : 41798
- 5 ANON
Concrete product guide.
Concr Int 2015 December; 37(12): 68-81
E 3923-24.
Control No. : 41787
- 6 ANON
Concrete visually transmuted in monolithic sculpture.
Concr Inter 2016 March; 38(3): 35-39
E 3923-24.
Control No. : 41796
- 7 ANON
Notable concrete in Denver.
Concr Int 2015 November; 37(11): 25-28
E 3923-24.
Control No. : 41786
- 8 ANON
Reponding to climate change with creative Urban
infrastructure.
Concr Int 2015 December; 37(12): 50-51
E 3923-24.
Control No. : 41791

- 9 APARNA, K.P. and JAIN, A.K.
Performance evaluation of multistoreyed reinforced concrete frames.
Indian Concr J 2016 June; 90(6): 38-52
E 3923-26.
Control No. : 41829
- 10 AVINASH, G. and SASMAL, S.
Development of design methodologies for new class of ductile concrete using micromechanics approach.
Indian Concr J 2016 May; 90(5): 13-21
E 3923-24.
Control No. : 41817
- 11 BAQUERIZO, L.G.
Impact of water activity on the stability of ettringite .
Cem Concr Res 2016 January; 79: 31-44
E 3923-24 .
Control No. : 41744
- 12 BASSUONI, M.T., et al
Response of concrete to accelerated physical salt attack exposure.
Cem Concr Res 2016 January; 79: 395-408
E 3923-24.
Control No. : 41777
- 13 BHATTACHARYA, P. and DAS, A.
Comparative study of anchorage zone stresses and experimental analysis for determination of optimum length of anchor block in post-tensioned pre-stressed concrete beams .
Indian Concr J 2016 May; 90(5): 22-32
E 3923-24.
Control No. : 41818
- 14 BODIGE, N. and PRADEEP KUMAR, N.
Assessment of capacity of existing building through nonlinear static pushover analysis : A comparison between micro and macro modeling .
Indian Concr J 2016 May; 90(5): 33-42
E 3923-24.
Control No. : 41819
- 15 BRITTEZ, C., et al
Recommendations for casting inclined columns.
Concr Inter 2016 March; 38(3): 43-53
E 3923-24.
Control No. : 41797
- 16 BURRIS, L.E., and JUENGER, M.C.G.
Effect of acid treatment on the reactivity of natural zeolites used as supplementary cementitious materials .
Cem Concr Res 2016 January; 79: 185-93
E 3923-24 .
Control No. : 41758

- 17 COLLINS, M.P., et al
Challenge of predicting the shear strength of very thick
slabs .
Concr Int 2015 November; 37(11): 29-37
E 3923-24.
Control No. : 41783
- 18 DAHN, A., et al
Application of micro X-ray diffraction to investigate the
reaction products formed by the alkali-silica reaction in
concrete structures.
Cem Concr Res 2016 January; 79: 49-56
E 3923-24 .
Control No. : 41746
- 19 DANG, C.N.. et al
Bond stress-slip model for 0.6 in. (15.2 mm) diameter
strand .
ACI Struct J 2015 Sept-Oct; 112(5): 625-34
E 3923-24.
Control No. : 41811
- 20 DANNER, T., et al
Early hydration of C3A gypsum pastes with Ca- and Na-
lignosulfonate.
Cem Concr Res 2016 January; 79: 333-43
E 3923-24.
Control No. : 41771
- 21 DAUZERES, A., et al
Magnesium perturbation in low-pH concretes placed in
clayey environment - solid characterizations and
modeling .
Cem Concr Res 2016 January; 79: 137-50
E 3923-24 .
Control No. : 41754
- 22 ECTORS, D., et al
In situ 1H-TD-NMR : Quantification and microstructure
development during the early hydration of alite and OPC.
Cem Concr Res 2016 January; 79: 366-72
E 3923-24.
Control No. : 41774
- 23 EMMANUEL, A.C., et al
Second pilot production of limestone calcined clay cement
in India : The experience.
Indian Concr J 2016 May; 90(5): 57-64
E 3923-24.
Control No. : 41816
- 24 FASL, J.
Ductility behavior of corroded bars in concrete slabs.
Concr Inter 2016 April; 38(4): 55-62
E 3923-24.
Control No. : 41800

- 25 FRAZO, C., et al
Corrosion effects on pullout behavior of hooked steel
fibers in self-compacting concrete.
Cem Concr Res 2016 January; 79: 112-22
E 3923-24 .
Control No. : 41751
- 26 FUCHS, W., et al
Effect of low-temperature installation on adhesive
anchors.
Concr Inter 2016 January; 38(1): 48-55
E 3923-24.
Control No. : 41794
- 27 GAMBLE, W.L.
Phi-factors revisited : The partial factor of safety
approach is compared with the current, single-factor
approach .
Concr Int 2015 December; 37(12): 35-38
E 3923-24.
Control No. : 41788
- 28 GARBER, D.B., et al
Experimental investigation of prestress losses in full-
scale bridge girders.
ACI Struct J 2015 Sept-Oct ; 112(5): 553-64
E 3923-24.
Control No. : 41805
- 29 GARG, N. and SKIBSTED, J.
Pozzolanic reactivity of a calcined interstratified
illite/smectite (70.30) clay .
Cem Concr Res 2016 January; 79: 101-11
E 3923-24 .
Control No. : 41750
- 30 GAUTAM, C.K.
Design and analysis of buried concrete cylinder.
Indian Concr J 2016 May; 90(5): 11-19
E 3923-24.
Control No. : 41826
- 31 GJORV, O.E.
Quality control for concrete durability.
Concr Int 2015 November; 37(11): 38-44
E 3923-24.
Control No. : 41784
- 32 HAJIBABAEI, A, et al
Mechanisms of dimensional instability caused by
differential drying in wet cured cement paste.
Cem Concr Res 2016 January; 79: 151-58
E 3923-24 .
Control No. : 41755
- 33 HAN, B., et al
Hydration behavior of spinel containing high alumina
cement from high titania blast furnace slag.

Cem Concr Res 2016 January; 79: 257-64
E 3923-24.
Control No. : 41764

- 34 HANSEN, S.G. and SKOU, D.
Discussion : "ASR expansion, expansive pressure and cracking in concrete prisms under various degrees of restraint " by KAGIMOO, H., et al.
Cem Concr Res 2016 January; 79: 419-21
E 3923-24.
Control No. : 41779
- 35 HELMIC, C.G., et al
Evaluation of shear and diagonal tension in plain concrete
Concr Inter 2016 January; 38(1): 39-47
E 3923-24.
Control No. : 41793
- 36 KAGIMOTO, H., et al
Reply to the discussion by S G Hansen of the paper "ASR expansion, expansive pressure and cracking in concrete prisms under various degrees of restrains .
Cem Concr Res 2016 January; 79: 422-23
E 3923-24.
Control No. : 41780
- 37 KIM, T. and OLEK, J.
Effects of lithium ions on chemical sequence of alkali-silica reaction.
Cem Concr Res 2016 January; 79: 159-68
E 3923-24 .
Control No. : 41756
- 38 KIM, Y.J., et al
Variable shear span-depth ratios for reinforced concrete beams strengthened with various carbon fiber-reinforced polymer configurations.
ACI Struct J 2015 Sept-Oct; 112(5): 635-44
E 3923-24.
Control No. : 41812
- 39 KNAACK. A.M. and KURAMA, Y.C.
Sustained service load behavior of concrete beams with recycled concrete aggregates .
ACI Struct J 2015 Sept-Oct; 112(5): 565-78
E 3923-24.
Control No. : 41806
- 40 LANGE, A. and PLANK, J.
Contribution of non-adsorbing polymers to cement dispersion .
Cem Concr Res 2016 January; 79: 131-36
E 3923-24 .
Control No. : 41753
- 41 LAUGHERY, L. and PUJOL, S.
Compressive strength of unreinforced struts.
ACI Struct J 2015 Sept-Oct; 112(5): 617-24

list of Articles

- 1 AL-BAYATI, A.F. et al
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E 3923-24.
Control No. : 41803
- 2 ALAIN, S., et al
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cement paste by a microheology analyzer.
Cem Concr Res 2016 January; 79: 301-15
E 3923-24.
Control No. : 41768
- 3 ALWATHAF, A.H., et al
Analytical invstigation of concrete beams reinforced with
embedded CFRP plates .
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E 3923-26.
Control No. : 41831
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E 3923-24.
Control No. : 41798
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E 3923-24.
Control No. : 41787
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E 3923-24.
Control No. : 41796
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Concr Int 2015 November; 37(11): 25-28
E 3923-24.
Control No. : 41786
- 8 ANON
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infrastructure.
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E 3923-24.
Control No. : 41791

- 9 APARNA, K.P. and JAIN, A.K.
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E 3923-26.
Control No. : 41829
- 10 AVINASH, G. and SASMAL, S.
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Indian Concr J 2016 May; 90(5): 13-21
E 3923-24.
Control No. : 41817
- 11 BAQUERIZO, L.G.
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Cem Concr Res 2016 January; 79: 31-44
E 3923-24 .
Control No. : 41744
- 12 BASSUONI, M.T., et al
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Cem Concr Res 2016 January; 79: 395-408
E 3923-24.
Control No. : 41777
- 13 BHATTACHARYA, P. and DAS, A.
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E 3923-24.
Control No. : 41818
- 14 BODIGE, N. and PRADEEP KUMAR, N.
Assessment of capacity of existing building through nonlinear static pushover analysis : A comparison between micro and macro modeling .
Indian Concr J 2016 May; 90(5): 33-42
E 3923-24.
Control No. : 41819
- 15 BRITTEZ, C., et al
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Concr Inter 2016 March; 38(3): 43-53
E 3923-24.
Control No. : 41797
- 16 BURRIS, L.E., and JUENGER, M.C.G.
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Cem Concr Res 2016 January; 79: 185-93
E 3923-24 .
Control No. : 41758

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Challenge of predicting the shear strength of very thick
slabs .
Concr Int 2015 November; 37(11): 29-37
E 3923-24.
Control No. : 41783
- 18 DAHN, A., et al
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reaction products formed by the alkali-silica reaction in
concrete structures.
Cem Concr Res 2016 January; 79: 49-56
E 3923-24 .
Control No. : 41746
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strand .
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E 3923-24.
Control No. : 41811
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lignosulfonate.
Cem Concr Res 2016 January; 79: 333-43
E 3923-24.
Control No. : 41771
- 21 DAUZERES, A., et al
Magnesium perturbation in low-pH concretes placed in
clayey environment - solid characterizations and
modeling .
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E 3923-24 .
Control No. : 41754
- 22 ECTORS, D., et al
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development during the early hydration of alite and OPC.
Cem Concr Res 2016 January; 79: 366-72
E 3923-24.
Control No. : 41774
- 23 EMMANUEL, A.C., et al
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in India : The experience.
Indian Concr J 2016 May; 90(5): 57-64
E 3923-24.
Control No. : 41816
- 24 FASL, J.
Ductility behavior of corroded bars in concrete slabs.
Concr Inter 2016 April; 38(4): 55-62
E 3923-24.
Control No. : 41800

- 25 FRAZO, C., et al
Corrosion effects on pullout behavior of hooked steel fibers in self-compacting concrete.
Cem Concr Res 2016 January; 79: 112-22
E 3923-24 .
Control No. : 41751
- 26 FUCHS, W., et al
Effect of low-temperature installation on adhesive anchors.
Concr Inter 2016 January; 38(1): 48-55
E 3923-24.
Control No. : 41794
- 27 GAMBLE, W.L.
Phi-factors revisited : The partial factor of safety approach is compared with the current, single-factor approach .
Concr Int 2015 December; 37(12): 35-38
E 3923-24.
Control No. : 41788
- 28 GARBER, D.B., et al
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E 3923-24.
Control No. : 41805
- 29 GARG, N. and SKIBSTED, J.
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Cem Concr Res 2016 January; 79: 101-11
E 3923-24 .
Control No. : 41750
- 30 GAUTAM, C.K.
Design and analysis of buried concrete cylinder.
Indian Concr J 2016 May; 90(5): 11-19
E 3923-24.
Control No. : 41826
- 31 GJORV, O.E.
Quality control for concrete durability.
Concr Int 2015 November; 37(11): 38-44
E 3923-24.
Control No. : 41784
- 32 HAJIBABAEI, A, et al
Mechanisms of dimensional instability caused by differential drying in wet cured cement paste.
Cem Concr Res 2016 January; 79: 151-58
E 3923-24 .
Control No. : 41755
- 33 HAN, B., et al
Hydration behavior of spinel containing high alumina cement from high titania blast furnace slag.

Cem Concr Res 2016 January; 79: 257-64
E 3923-24.
Control No. : 41764

- 34 HANSEN, S.G. and SKOU, D.
Discussion : "ASR expansion, expansive pressure and cracking in concrete prisms under various degrees of restraint " by KAGIMOO, H., et al.
Cem Concr Res 2016 January; 79: 419-21
E 3923-24.
Control No. : 41779
- 35 HELMIC, C.G., et al
Evaluation of shear and diagonal tension in plain concrete
Concr Inter 2016 January; 38(1): 39-47
E 3923-24.
Control No. : 41793
- 36 KAGIMOTO, H., et al
Reply to the discussion by S G Hansen of the paper "ASR expansion, expansive pressure and cracking in concrete prisms under various degrees of restrains .
Cem Concr Res 2016 January; 79: 422-23
E 3923-24.
Control No. : 41780
- 37 KIM, T. and OLEK, J.
Effects of lithium ions on chemical sequence of alkali-silica reaction.
Cem Concr Res 2016 January; 79: 159-68
E 3923-24 .
Control No. : 41756
- 38 KIM, Y.J., et al
Variable shear span-depth ratios for reinforced concrete beams strengthened with various carbon fiber-reinforced polymer configurations.
ACI Struct J 2015 Sept-Oct; 112(5): 635-44
E 3923-24.
Control No. : 41812
- 39 KNAACK. A.M. and KURAMA, Y.C.
Sustained service load behavior of concrete beams with recycled concrete aggregates .
ACI Struct J 2015 Sept-Oct; 112(5): 565-78
E 3923-24.
Control No. : 41806
- 40 LANGE, A. and PLANK, J.
Contribution of non-adsorbing polymers to cement dispersion .
Cem Concr Res 2016 January; 79: 131-36
E 3923-24 .
Control No. : 41753
- 41 LAUGHERY, L. and PUJOL, S.
Compressive strength of unreinforced struts.
ACI Struct J 2015 Sept-Oct; 112(5): 617-24

E 3923-24.
Control No. : 41810

- 42 LAURENS, S., et al
Steady state polarization response of chloride-induced macrocell corrosion systems in steel reinforced reinforced concrete - numerical and experimental investigations.
Cem Concr Res 2016 January; 79: 272-90
E 3923-24.
Control No. : 41766
- 43 LAVIGNE, M.P, et al
Innovative approach to simulating the biodeterioration of industrial cementitious products in sewer environment. Part II : Validation on CAC and BFSC linings.
Cem Concr Res 2016 January; 79: 409-18
E 3923-24.
Control No. : 41778
- 44 LEE, X,R,D,, et al
Self sealing of cracks in concrete using superabsorbent polymers.
Cem Concr Res 2016 January; 79: 194-208
E 3923-24.
Control No. : 41759
- 45 LIG, M. and PLANK, J.
Novel kind of concrete superplasticizer based on lignite graft copolymers .
Cem Concr Res 2016 January; 79: 123-30
E 3923-24 .
Control No. : 41752
- 46 LU, C., et al
New model for the cracking process and tensile ductility of strain hardening cementitious composites (SHCC).
Cem Concr Res 2016 January; 79: 353-65
E 3923-24.
Control No. : 41773
- 47 LUNA, B.N., et al
Seismic behavior of low-aspect-ratio reinforced concrete shear walls.
ACI Struct J 2015 Sept-Oct; 112(5): 593-604
E 3923-24.
Control No. : 41808
- 48 MIELNICZUK, B., et al
Characterization of behaviour and cracking of a cement paste confined between spherical aggregate particles.
Cem Concr Res 2016 January; 79: 235-42
E 3923-24.
Control No. : 41762
- 49 MOHAMED, H.M. and BENMOKRANE, B.
Torsion behavior of concrete beams reinforced with glass fiber-reinforced polymer bars and stirrups.

ACI Struct J 2015 Sept-Oct; 112(5): 543-52
E 3923-24.
Control No. : 41804

- 50 MORANDEAU, A.E., et al
Nanoscale heterogeneities in a fractured alkali-activated
slag binder : A helium ion microscopy analysis.
Cem Concr Res 2016 January; 79: 45-48
E 3923-24 .
Control No. : 41745
- 51 MUTTONNI, A., et al
Design versus assessment of concrete structures using
stress fields and strut-and-tie models.
ACI Struct J 2015 Sept-Oct; 112(5): 605-16
E 3923-24.
Control No. : 41809
- 52 NAIR, P.S. and GETTU, R.
Commercially available waterproofing agents in India - a
review.
Indian Concr J 2016 May; 90(5): 36-56
E 3923-24.
Control No. : 41815
- 53 NEUENSCHWANDER, M., et al
Stability of the damage-pasticity modelling concept for
concrete at elevated temperatures : Experimental
validation with uniaxial cyclic compression tests .
Cem Concr Res 2016 January; 79: 57-75
E 3923-24 .
Control No. : 41747
- 54 NIED, D., et al
Properties of magnesium silicate hydrates (M-S-H).
Cem Concr Res 2016 January; 79: 323-32
E 3923-24.
Control No. : 41770
- 55 OTIENO, M., et al
Chloride-induced corrosion of steel in cracked concrete
Part I : : experimental studies under accelerated and
natural marine environments .
Cem Concr Res 2016 January; 79: 373-85
E 3923-24.
Control No. : 41775
- 56 OTIENO, M., et al
Chloride-induced corrosion of steel in cracked concrete -
Part II : Corrosion rate prediction models .
Cem Concr Res 2016 January; 79: 386-94
E 3923-24.
Control No. : 41776
- 57 OU, Y.C.
seismic performance of concrete columns with innovative
seven and eleven-spiral reinforcement.
ACI Struct J 2015 Sept-Oct; 112(5): 579-92

E 3923-24.
Control No. : 41807

- 58 PANT, A.S. and PAREKAR, S.R.
Steel fiber reinforced concrete beams under pure torsion.
Indian Concr J 2016 June; 90(6): 30-37
E 3923-26.
Control No. : 41828
- 59 PATIL, R., et al
Economical design of intze type elevated service
reservoirs.
Indian Concr J 2016 May; 90(5): 78-84
E 3923-24.
Control No. : 41824
- 60 PHUNG, Q.T., et al
Investigation of the changes in microstructure and
transport properties of leached cement pastes accounting
for mix composition .
Cem Concr Res 2016 January; 79: 217-34
E 3923-24.
Control No. : 41761
- 61 RAVINDRARAJAH, R.S.
Quality assurance of shotcrete on a railway line project.
Indian Concr J 2016 June; 90(6): 53-57
E 3923-26.
Control No. : 41830
- 62 ROUSSEL, N., et al
Numerical simulations of concrete flow : a benchmark
comparison.
Cem Concr Res 2016 January; 79: 265-71
E 3923-24.
Control No. : 41765
- 63 SAIBABU, S., et al
Finite element modelling of segmental model beam.
Indian Concr J 2016 May; 90(5): 85-92
E 3923-24.
Control No. : 41825
- 64 SAKAI, K.S. and BUFFENBARGER, J.K.
ACI Concrete sustainability forum VIII.
Concr Inter 2016 April; 38(4): 72-76
E 3923-24.
Control No. : 41802
- 65 SALIM, P.M. and SESHADRI SEKHAR, T.
Problems and possibilities of slope stability analysis
for railway formations.
Indian Concr J 2016 May; 90(5): 55-63
E 3923-24.
Control No. : 41821

- 66 SHERFUDEEN, A.P., et al
Promoting precast concrete for affordable housing - An overview on promotional policies worldwide and challenges and possibilities in India .
Indian Concr J 2016 May; 90(5): 13-25
E 3923-24.
Control No. : 41813
- 67 SINHA, A.K. and JHA, K.N.
Land acquisition issues in infrastructure projects - Indian perspective.
Indian Concr J 2016 May; 90(5): 26-35
E 3923-24.
Control No. : 41814
- 68 SNELL, L.M.
Caliche : Nature's natural concrete : Used by indigenous constructors at Casa Grande in Arisona .
Concr Inter 2016 April; 38(4): 70-71
E 3923-24.
Control No. : 41801
- 69 SNELL, L.M. and SNELL, B.G.
Concrete hearts program comes to Mongolia .
Concr Int 2015 December; 37(12): 48-49
E 3923-24.
Control No. : 41790
- 70 STANTON, J., et al
Phi9-leaf phactor, part 2 : Could simplification be the means to increased safety.
Concr Int 2015 December; 37(12): 39-47
E 3923-24.
Control No. : 41789
- 71 SUNITHA, P., et al
Idealised bilinear moment-curvature curves of RC sections for pushover analysis of RC frame buildings .
Indian Concr J 2016 May; 90(5): 43-54
E 3923-24.
Control No. : 41820
- 72 SUNITHA, P., et al
Seismic behaviour of RC moment resisting frame buildings designed and detailed as per first revision of IS 13920 draft provisions.
Indian Concr J 2016 May; 90(5): 64-71
E 3923-24.
Control No. : 41822
- 73 SURANENI, P., et al
Deicing salts and durability of concrete pavements and joints : Mitigation calcium oxychloride formation.
Concr Inter 2016 April; 38(4): 48-54
E 3923-24.
Control No. : 41799

- 74 SURANENI, P., et al
 New insights into the hydration of slag in alkaline media using a micro-reactor approach.
 Cem Concr Res 2016 January; 79: 209-16
 E 3923-24.
 Control No. : 41760
- 75 THOMAS, R.J., et al
 Alkali-activated slag cement concrete .
 Concr Inter 2016 January; 38(1): 33-38
 E 3923-24.
 Control No. : 41792
- 76 TRAN, N.T., et al
 Fracture energy of ultra-high-performance fiber-reinforced concrete at high strain rates.
 Cem Concr Res 2016 January; 79: 169-84
 E 3923-24 .
 Control No. : 41757
- 77 UNLUR, C. and AL-TABBAA, A.
 Reply to the discussion of the papers "Impact of hydrated magnesium carbonate additives on the carbonation of reactive MgO cements" and "Enhancing the carbonation of MgO cement porous blocks through improved curing conditions" by S A Walling and J L Provis .
 Cem Concr Res 2016 January; 79: 427-30
 E 3923-24.
 Control No. : 41782
- 78 VALSA IPE, T., et al
 Experimental study on behaviour of thin walled cold formed steel-concrete composite beams under shear.
 Indian Concr J 2016 June; 90(6): 20-29
 E 3923-26.
 Control No. : 41827
- 79 VIANI, A., et al
 In situ synchrotron powder diffraction study of the setting reaction kinetics of magnesium-potassium phosphate cements.
 Cem Concr Res 2016 January; 79: 344-52
 E 3923-24.
 Control No. : 41772
- 80 VIMALA, A. and PRADEEP KUMAR
 Estimation of energy dissipation capacity of a structure using pushover analysis.
 Indian Concr J 2016 May; 90(5): 72-77
 E 3923-24.
 Control No. : 41823
- 81 VOLLPRACHT, A. and BRAMESHUBER, W.
 Binding and leaching of trace elements in portland cement pastes.
 Cem Concr Res 2016 January; 79: 76-92
 E 3923-24 .
 Control No. : 41748

- 82 WADSO, L. and ARNDT, M.
 International round robin test on isothermal (conduction) calorimetry for measurement of three-day heat of hydration of cement.
 Cem Concr Res 2016 January; 79: 316-22
 E 3923-24.
 Control No. : 41769
- 83 WALKER, C.
 Calcium silicate hydrate (C-S-H) gel solubility data and a discrete solid phase model at 25 degree C on two binary non-ideal solid solutions .
 Cem Concr Res 2016 January; 79: 1-30
 E 3923-26.
 Control No. : 41743
- 84 WALLING, S.A. and PROVIS, J.L.
 A discussion of the Papers : "Impact of hydrated magnesium carbonate additives on the carbonation of reactive MgO cements" and "Enhancing the carbonation of MgO cement porous blocks through improved curing conditions by UNLUER, C. and AL-TABAA, A.
 Cem Concr Res 2016 January; 79: 424-26
 E 3923-24.
 Control No. : 41781
- 85 WEHLING, T., et al
 Composite cutoff wall construction :
 Concr Int 2016 February; 38(2): 31-36
 E 3923-26.

 Control No. : 41795
- 86 WEYERS, R.E., et al
 Condition assessment of launch Pad 39B.
 Concr Int 2015 November; 37(11): 45-50
 E 3923-24.
 Control No. : 41785
- 87 WHITE, C.E.
 Effects of temperature on the atomic structure of synthetic calcium-silicate-deuterate gels : A neutron pair distribution function investigation .
 Cem Concr Res 2016 January; 79: 93-100
 E 3923-24 .
 Control No. : 41749
- 88 WU, X., et al
 Microstructural characterization of ITZ in blended cement concretes and its relation to transport properties .
 Cem Concr Res 2016 January; 79: 243-56
 E 3923-24.
 Control No. : 41763

89 ZHANG, Y., et al

In-situ measurement of viscoelastic properties of fresh
cementpaste by a microheology analyzer.

Cem Concr Res 2016 January; 79: 291-300

E 3923-24.

Control No. : 41767

list of Articles

- 1 ACHARYA, P.K. and PATRO, S.K.
Flexural behaviour of ferrochrome ash concrete beams.
Indian Concr J 2016 July; 90(7): 36-43
E 4001-02.
Control No. : 41834
- 2 AMIR, S., et al
Experiments on punching shear behavior of prestressed
concrete bridge decks.
ACI Structural Journal 2016 May-June; 2016: 627-36
E 4001-02.
Control No. : 41897
- 3 ARORA, V.V. and BRIJESH SINGH
Durability studies on prestressed concrete made with
portland pozzolana cement.
Indian Concr J 2016 August; 90(8): 41-47
E 4001-02.
Control No. : 41842
- 4 BERROCAL, C.G., et al
Corrosion of steel bars embedded in fibre reinforced
concrete under chloride attack :State of the art.
Cem Concr Res 2016 February; 80: 69-85
E 4001-02.
Control No. : 41851
- 5 BESSAIES-BEY, H., et al
Organic admixtures and cement particles : competitive
adsorption and its macroscopic rheological consequences.
Cem Concr Res 2016 February; 80: 1-9
E 4001-02.
Control No. : 41844
- 6 CHAKRADHANA RAO, M., et al
Interfacial transition zone, strength and chloride
penetration of recycled aggregate concrete .
Indian Concr J 2015 November; 89(11): 54-65
E 4001-02.
Control No. : 41868
- 7 CHAUNSALI, P. and MONDAL, P.
Physico-chemical interaction between mineral admixtures
and OPC-calcium sulfoaluminate (CSA) cements and its
influence on early age expansion .
Cem Concr Res 2016 February; 80: 10-20
E 4001-02.
Control No. : 41845
- 8 COLLINS, M.P., et al
Shear response of prestressed thin-webbed continuous
girders.
ACI Struct J 2016 May-June; 113(3): 447-58

E 4001-02.
Control No. : 41880

- 9 COSTA, R., et al
Anchorage models for reinforced concrete beam-column joints under quasi-static loading
ACI Struct J 2016 May-June; 113(3): 503-14
E 4001-02.
Control No. : 41885
- 10 DANG, C.N., et al
Measured development lengths of 0.7 in. (17.8 mm) strands for pretensioned beams.
ACI Struct J 2016 May-June; 113(3): 525-36
E 4001-02.
Control No. : 41887
- 11 DE BURGH, J.M., et al
Prediction of water vapour sorption isotherms and microstructure of hardened portland cement pastes.
Cem Concre Res 2016 March; 81: 134-50
E 4001-02.
Control No. : 41863
- 12 DURAN, A., et al
Study of the early hydration of calcium aluminates in the presence of different metallic salts.
Cem Concre Res 2016 March; 81: 1-15
E 4001-02.
Control No. : 41853
- 13 EL BITOURI, Y., et al
Modelling of chemo-mechanical behaviour of low pH concretes - Review.
Cem Concre Res 2016 March; 81: 70-80
E 4001-02.
Control No. : 41852
- 14 ELMOHANDES, F., et al
Reliability of temperature-dependent models for analysis of reinforced concrete members subjected to fire .
ACI Struct J 2016 May-June; 113(3): 481-90
E 4001-02.
Control No. : 41883
- 15 FONSECA, F.S., et al
Compressive and time-dependent strength of concrete masonry constructed with type M mortar and grouts containing high volume of fly ash and slag.
ACI Mater J 2016 March-April; 113(2): 185-96
E 4001-02.
Control No. : 41874
- 16 GALMARINI, S. and BOWEN, P.
Atomistic simulation of the adsorption of calcium and hydroxyl ions onto portlandite surfaces - towards crystal growth mechanisms .
Cem Concre Res 2016 March; 81: 16-23

E 4001-02.
Control No. : 41854

- 17 GHAZY, A., et al
Nano-modified fly ash concrete : a repair option for
concrete pavements .
ACI Mater J 2016 March-April; 113(2): 231-42
E 4001-02.
Control No. : 41878
- 18 GOUD, S.S. and PRADEEP KUMAR
Rationalising acceptable levels of damage for structures
designed as per codes IS 456, IS 1893, IS 13920.
Indian Concr J 2015 November; 89(11): 26-37
E 4001-02.
Control No. : 41865
- 19 GUPTA, S., et al
Marble and granite in India : Process, problems and
potential slurry utility in concrete .
Indian Concr J 2015 November; 89(11): 16-25
E 4001-02.
Control No. : 41864
- 20 HAFID, H., et al
Effect of particle morphological parameters on sand
grains packing properties and rheology of model mortars .
Cem Concr Res 2016 February; 80: 44-51
E 4001-02.
Control No. : 41848
- 21 HILLOULIN, B., et al
Mechanical regains due to self-healing in cementitious
materials : Experimental measurements and micro-
mechanical model .
Cem Concr Res 2016 February; 80: 21-32
E 4001-02.
Control No. : 41846
- 22 HOANG, K., et al
Early age strength increase of fly ash blended cement by
a ternary hardening accelerating admixture .
Cem Concr Res 2016 March; 81: 59-69
E 4001-02.
Control No. : 41858
- 23 HWANT, H.-J., et al
Time dependent deficient of slab affected by construction
load .
ACI Structural Journal 2016 May-June; 2016: 557-66
E 4001-02.
Control No. : 41890
- 24 ISMAIL, M.K. and HASSAN, A.A.A.
Performance of full-scale self-consolidating rubberized
concrete beams in flexure.
ACI Mater J 2016 March-April; 113(2): 207-18
E 4001-02.

Control No. : 41876

- 25 JONES, J. and RAMIREZ, J.A.
Bond of reinforcement in high-strength concrete.
ACI Structural Journal 2016 May-June; 2016: 549-56
E 4001-02.
Control No. : 41889
- 26 KADAM, S.D., et al
Analysis of waste glass as supplementary cementitious
material.
Indian Concr J 2016 July; 90(7): 52-60
E 4001-02.
Control No. : 41836
- 27 KANAKUBO, T., et al
Influence of fiber orientation on bridging performance
of polyvinyl alcohol fiber-reinforced cementitious
composite.
ACI Mater J 2016 March-April; 113(2): 131-42
E 4001-02.
Control No. : 41869
- 28 KE, X., et al
Controlling the reaction kinetics of sodium carbonate-
activated slag cements using calcined layered double
hydroxides .
Cem Concre Res 2016 March; 81: 24-37
E 4001-02.
Control No. : 41855
- 29 KIM, Y.J. and WANG, J.
Interfacial behavior of glass fiber-reinforced polymer
bars embedded in concrete with internal curing agents.
ACI Structural Journal 2016 May-June; 2016: 595-604
E 4001-02.
Control No. : 41894
- 30 LEE, C.H. and HOVER, K.C.
Compatible datum temperature and activation energy for
concrete maturity.
ACI Mater J 2016 March-April; 113(2): 197-206
E 4001-02.
Control No. : 41875
- 31 LEITE, M.B. and MONTEIRO, P.J.M.
Microstructural analysis of recycled concrete using X-ray
microtomography.
Cem Concre Res 2016 March; 81: 38-48
E 4001-02.
Control No. : 41856
- 32 LEQUESNE, R.D., et al
Seismic response of fiber-reinforced concrete coupled
walls.
ACI Struct J 2016 May-June; 113(3): 435-46
E 4001-02.
Control No. : 41879

- 33 · LI, C., et al
 Effect of dosage of fly ash and NaOH on properties of
 pisha sandstone-based mortar .
 ACI Mater J 2016 March-April; 113(2): 173-84
 E 4001-02.
 Control No. : 41873
- 34 LIM, E., et al
 Cyclic tests of reinforced concrete coupling beam with
 intermediate span-depth ratio .
 ACI Struct J 2016 May-June; 113(3): 515-24
 E 4001-02.
 Control No. : 41886
- 35 MANOJ KUMAR
 Effect of overloading on shear lag in RC box-girder
 bridges.
 Indian Concr J 2016 August; 90(8): 19-25
 E 4001-02.
 Control No. : 41839
- 36 MITTAL, A.K., et al
 Performance of high strength reinforced concrete beams
 under multiple impact loading : Experimental study.
 Indian Concr J 2016 August; 90(8): 26-31
 E 4001-02.
 Control No. : 41840
- 37 MONTICELLI, C., et al
 Corrosion behavior of steel in alkali-activated fly ash
 mortars in the light of their microstructural, mechanical
 and chemical characterization .
 Cem Concr Res 2016 February; 80: 60-68
 E 4001-02.
 Control No. : 41850
- 38 MULTON, S., et al
 Multi-scale analysis of alkali-silica reaction (ASR) :
 Impact of alkali leaching on scale effects effecting
 expansion tests .
 Cem Concre Res 2016 March; 81: 122-33
 E 4001-02.
 Control No. : 41862
- 39 NATARAJA, M.C., et al.
 Parametric and experimental studies on the performance of
 SCC using alternative sands through mix design.
 Indian Concr J 2016 July; 90(7): 61-72
 E 4001-02.
 Control No. : 41837
- 40 NAWAZ, W., et al
 Effect of longitudinal carbon fib er-reinforced polymer
 plates on shear strength of reinforced concrete beams .
 ACI Structural Journal 2016 May-June; 2016: 577-86
 E 4001-02.
 Control No. : 41892

41. OTHMAN, H. and MARZOUK, H.
Strain rate sensitivity of fiber-reinforced cementitious composites.
ACI Mater J 2016 March-April; 113(2): 143-50
E 4001-02.
Control No. : 41870
- 42 PARKS, J.E., et al
Seismic repair of severely damaged precast reinforced concrete bridge columns connected with grouted splice sleeves .
ACI Structural Journal 2016 May-June; 2016: 615-26
E 4001-02.
Control No. : 41896
- 43 PATTNAIK, R.R. and RANAGARAJU, P.R.
Investigation of slant shear bond strength of repair materials for durable concrete repair.
Indian Concr J 2015 November; 89(11): 38-46
E 4001-02.
Control No. : 41866
- 44 PUJOL, S., et al
Using mohr-coulomb criterion to estimate shear strength of reinforced concrete columns.
ACI Struct J 2016 May-June; 113(3): 459-68
E 4001-02.
Control No. : 41881
- 45 QIAN, K. and LI, B.
Resilience of flat slab structures in different phases of progressive collapse.
ACI Structural Journal 2016 May-June; 2016: 537-48
E 4001-02.
Control No. : 41888
- 46 RAJAMANE, N.P. and JEYALAKSHMI, R.
Formulae for sodium hydroxide solution preparation of known molar concentration for geopolymer concretes.
Indian Concr J 2015 November; 89(11): 47-53
E 4001-02.
Control No. : 41867
- 47 RAKESH KUMAR and SHEKHAWAT, C.
Commercially available construction and demologion waste recycled coarse aggregate in the manufacture of concrete.
Indian Concr J 2016 July; 90(7): 27-35
E 4001-02.
Control No. : 41833
- 48 RAMOS, V., et al
Development of a quick screening staining test for detecting the oxidation potential of iron sulfide-bearing aggregates for use in concrete .
Cem Concre Res 2016 March; 81: 49-58
E 4001-02.
Control No. : 41857

- 49 RICKARD, W.D.A., et al
In-situ thermo-mechanical testing of fly ash geopolymer
concretes made with quartz and expanded clay aggregates.
Cem Concr Res 2016 February; 80: 33-43
E 4001-02.
Control No. : 41847
- 50 SANDANAYAKE, M., et al
Structural performances of self-curing concrete using
recycled coarse aggregate - a comparative study .
Indian Concr J 2016 July; 90(7): 19-26
E 4001-02.
Control No. : 41832
- 51 SIRIWARDANAGE, T. and KIM, Y.J.
Thermomechanical behavior of near-surface-mounted carbon
fiber reinforced polymer concrete interface.
ACI Structural Journal 2016 May-June; 2016: 567-76
E 4001-02.
Control No. : 41891
- 52 SOKOLI, D. and GHANNOUM, W.M.
High-strength reinforcement in columns under high shear
stresses .
ACI Structural Journal 2016 May-June; 2016: 605-14
E 4001-02.
Control No. : 41895
- 53 SOLTANI, M., et al
Stud rail systems as shear reinforcement in beams and one-
way slabs .
ACI Structural Journal 2016 May-June; 2016: 587-94
E 4001-02.
Control No. : 41893
- 54 SUN, W., et al
Behavior of anchored carbon fiber-reinforced polymer
strips used for strengthening concrete structures.
ACI Mater J 2016 March-April; 113(2): 163-72
E 4001-02.
Control No. : 41872
- 55 TIWARI, A.K., et al
Low carbon cement for sustainable constructions in India.
Indian Concr J 2016 August; 90(8): 12-18
E 4001-02.
Control No. : 41838
- 56 TRAPOTE-BARREIRA, A., et al
Degradation of mortar under advective flow : Column
experiments and reactive transport modeling.
Cem Concre Res 2016 March; 81: 81-93
E 4001-02.
Control No. : 41859
- 57 UZEL, A., et al
Design of indirectory loaded large footings for one-way
shear.

ACI Struct J 2016 May-June; 113(3): 491-502
E 4001-02.
Control No. : 41884

- 58 VERMA. A., et al
Effect of aggressive environmental conditions on concrete
mixes of different qualities.
Indian Concr J 2016 August; 90(8): 48-56
E 4001-02.
Control No. : 41843
- 59 VISNJIC, T., et al
Large reinforced concrete special moment frame beams
under simulated seismic loading .
ACI Struct J 2016 May-June; 113(3): 469-80
E 4001-02.
Control No. : 41882
- 60 WANG, X-Y. and PARK, K.B.
Analysis of compressive strength development and
carbonation depth of high-volume fly ash cement pastes.
ACI Mater J 2016 March-April; 113(2): 151-62
E 4001-02.
Control No. : 41871
- 61 WANT, F. , et al
Influence of superabsorbent polymers on the surrounding
cement paste.
Cem Concre Res 2016 March; 81: 112-21
E 4001-02.
Control No. : 41861
- 62 WEI, J. and MEYER, C.
Utilization of rice husk ash in green natural fiber-
reinforced cement composites : Mitigation degradation of
sisal fiber .
Cem Concre Res 2016 March; 81: 94-111
E 4001-02.
Control No. : 41860
- 63 XU, L. , et al
Tensile behavior of steel-polypropylene hybrid fiber-
reinforced concrete.
ACI Mater J 2016 March-April; 113(2): 219-30
E 4001-02.
Control No. : 41877
- 64 YOGANANAND, V. and BHATTACHARJEE, B.
Light weight, high strength ashcrete with bottom ash .
Indian Concr J 2016 July; 90(7): 44-51
E 4001-02.
Control No. : 41835
- 65 ZANOTTI, C. and BANTHIA, N.
Modified slant shear cylinder test for inherent
characterization of bond in concrete repairs.
Indian Concr J 2016 August; 90(8): 32-40
E 4001-02.

Control No. : 41841

66 ZINGG, L., et al

Influence of cement matrix porosityh ona the triaxial
behaviour of concrete .

Cem Concr Res 2016 February; 80: 52-59

E 4001-02.

Control No. : 41849

list of Articles

- 1 AITCIN, P-C., et al
Increasing the strength of concretes made with blended cements .
Concr Int 2016 August; 38(8): 49-52
E 4003-04.
Control No. : 41927
- 2 ANON
Innovation in vertical concrete polishing.
Concr Int 2016 August; 38(8): 62-64
E 4003-04.
Control No. : 41929
- 3 ANON
Vibrating siloblaster from SchafferVerfahrenstechnik GmbH
- Review and current stage of development.
Cem Int 2016 May-June; 14(3): 32-35
E 4003-04.
Control No. : 41952
- 4 BAJI, H. and RONAGH, H.R.
Reliability-based study on ductility measures of reinforced concrete beams in ACI 318 .
ACI Struct J 2016 March-April; 113(2): 373-82
E 4003-04.
Control No. : 41913
- 5 BREWE, J.E., et al
Evolution of ACI 562 CODE - Part 7.
Concr Int 2016 September; 38(9): 56-60
E 4003-04.
Control No. : 41935
- 6 CARVALHO, A.L., et al
Punching shear in post-tensioned flat slabs with shear reinforcement : Codes and tests.
ACI Struct J 2016 March-April; 113(2): 337-48
E 4003-04.
Control No. : 41910
- 7 CHOI, S., et al
Contactless system for continuous monitoring of early age concrete properties.
Concr Intl 2016 September; 38(9): 35-41
E 4003-04.
Control No. : 41932
- 8 CIUPERCA, R.I.
Self-annealing concrete.
Concr Int 2016 August; 38(8): 65-
E 4003-04.
Control No. : 41930

- 9 CRESENZI, B.P.
New NY bridge construction.
Concr Intl 2016 September; 38(9): 29-34
E 4003-04.
Control No. : 41931
- 10 DeGAGNE, B., et al
Longitudinal bar spacing and intermediate ties.
Concr Int 2016 May; 38(5): 43-46
E 4003-04.
Control No. : 41917
- 11 DIKTY, M., et al
Mullerkalk relies on ceramic rotary valves for pneumatic conveying.
Cem Int 2016 May-June; 14(3): 48-57
E 4003-04.
Control No. : 41949
- 12 FITZ, V.
Dry mortar production plant inChina with highest grade of automation.
Cem Int 2016 May-June; 14(3): 58-63
E 4003-04.
Control No. : 41950
- 13 GARBER, D.B., et al
Prestress loss database for pretenstioned concrete members.
ACI Struct J 2016 March-April; 113(2): 313-24
E 4003-04.
Control No. : 41908
- 14 GARDNER, N.J.(JOHN), et al
Field measurements of SCC lateral pressure-toronto 2014.
Concr Int 2016 June; 38(6): 42-51
E 4003-04.
Control No. : 41922
- 15 GEIBLER, M., et al
New ultramodern processing plant at Schaefer Kalk's Hahnstatten plant - design and initial results .
Cem Int 2016 May-June; 14(3): 42-47
E 4003-04.
Control No. : 41948
- 16 GUNER, S.
Simplified modeling of frame elements subjected to blast loads.
ACI Struct J 2016 March-April; 113(2): 363-72
E 4003-04.
Control No. : 41912
- 17 GUPTA, S., et al
Determining efficiency factor of fly ash for the design and strength prediction of concrete .
Indian Concr J 2016 January; 90(1): 69-79
E 4003-04.

Control No. : 41959

- 18 HEMALATHA, T., et al
Prediction of long term compressive strength of concrete made with supplementary cementitious material through regression analysis.
Indian Concr J 2016 January; 90(1): 49-58
E 4003-04.
Control No. : 41957
- 19 HOCHSTGEIN, D.P. and MEYER, C.
Measurement and prediction of thermal conductivity of cement paste.
ACI Mater J 2016 May-June; 113(3): 317-22
E 4003-04.
Control No. : 41941
- 20 JEONG, J.H.
Effect of admixtures on plumpability for high-strength concrete.
ACI Mater J 2016 May-June; 113(3): 323-34
E 4003-04.
Control No. : 41942
- 21 KADAM, S.D., et al
Analysis of waste clay brick as supplementary cementitious material.
Indian Concr J 2016 January; 90(1): 39-48
E 4003-04.
Control No. : 41956
- 22 KAZIKOWSKI, R.L., et al
Effect of cold curing water on concrete.
Concr Int 2016 August; 38(8): 33-40
E 4003-04.
Control No. : 41925
- 23 KIM, C-S., et al
Cyclic loading test for cast-in-place concrete-filled hollow precast concrete columns .
ACI Struct J 2016 Mar-Apr; 113(2): 205-16
E 4003-04.
Control No. : 41899
- 24 KIM, H.K, and LEE, H.K.
Autogenous shrinkage reduction with untreated coal bottom ash for high-strength concrete.
ACI Mater J 2016 May-June; 113(3): 277-86
E 4003-04.
Control No. : 41937
- 25 KIM, Y.J., et al
Functional performance of bridge girders strengthened with post-tensioned near-surface-mounted carbon fiber-reinforced polymer .
ACI Struct J 2016 Mar-Apr; 113(2): 239-50
E 4003-04.
Control No. : 41902

- 35 MARTINS, T.A, et al
Experimental investigation on nano-TiO₂ and fly ash based high performance concrete.
Indian Concr J 2016 January; 90(1): 23-31
E 4003-04.
Control No. : 41954
- 36 MEHDIPOUR, I. and KHAYAT, K.H.
Effect of supplementary cementitious material content and binder dispersion on packing density and compressive strength of sustainable cement paste.
ACI Mater J 2016 May-June; 113(3): 361-72
E 4003-04.
Control No. : 41945
- 37 MOEN, C.D. and SHARP, S.R.
Bond properties between concrete and corrosion-resistance reinforcing steels.
ACI Struct J 2016 March-April; 113(2): 383-92
E 4003-04.
Control No. : 41914
- 38 MOHAMMADI, I (J). and SOUTH, W.
General purpose cement with increased limestone content in Australia.
ACI Mater J 2016 May-June; 113(3): 335-48
E 4003-04.
Control No. : 41943
- 39 NATARAJA, M.C., et al
Characterisation of manufactured fine aggregates based on uncompacted void content as per ASTM C 1252-03 - Urgent need for Indian scenario.
Indian Concr J 2016 January; 90(1): 59-68
E 4003-04.
Control No. : 41958
- 40 NILFOROUSH, R., et al
Long-term performance of adhesive bonded anchors.
ACI Struct J 2016 March-April; 113(2): 251-62
E 4003-04.
Control No. : 41903
- 41 NOSOUHIAN, F. and MOSTOFINEJAD, D.
Reducing permeability of concrete by bacterial mediation on surface using treatment gel.
ACI Mater J 2016 May-June; 113(3): 287-94
E 4003-04.
Control No. : 41938
- 42 O'KEEFE, S.
Expended polystyrene geofom formwork.
Concr Int 2016 June; 38(6): p52
E 4003-04.
Control No. : 41923

- 43 OU, Y.C. and NGO, S-H
 .Discrete shear strength of two-and seven-circular-hoop
 and spiral transverse reinforcement.
 ACI Struct J 2016 Mar-Apr; 113(2): 227-38
 E 4003-04.
 Control No. : 41901
- 44 POTHISIRI, T., et al
 Effect of polypropylene fibers and wire mesh on fire
 performance of precast concrete walls .
 ACI Struct J 2016 March-April; 113(2): 393-404
 E 4003-04.
 Control No. : 41915
- 45 REINERS, J., et al
 Achieving the intended concrete properties in modern 5-
 material systems of varied concrete constituents .
 Cem Int 2016 May-June; 14(3): 64-70
 E 4003-04.
 Control No. : 41951
- 46 RIBERT, D.J., et al
 Contribution of cement mortar lining to structural
 capacity of cast iron water mains .
 ACI Mater J 2016 May-June; 113(3): 295-306
 E 4003-04.
 Control No. : 41939
- 47 RODRIGUES, A., et al
 Evaluation protocol for concrete aggregate containing
 iron sulfide minerals.
 ACI Mater J 2016 May-June; 113(3): 349-60
 E 4003-04.
 Control No. : 41944
- 48 SAHMARAN, M. and LI, V.C.
 Suppressing alkali-silica expansion.
 Concr Int 2016 May; 38(5): 47-52
 E 4003-04.
 Control No. : 41918
- 49 SARANDREA, L., et al
 Practical limestone charging system for avoiding
 segregation in large shaft kilns .
 Cem Int 2016 May-June; 14(3): 36-41
 E 4003-04.
 Control No. : 41947
- 50 SHIN, H-O, et al
 Axial load response of ultra-high strength concrete
 columns and high-strength reinforcement.
 ACI Struct J 2016 March-April; 113(2): 325-36
 E 4003-04.
 Control No. : 41909
- 51 SINGH, A. and PAL, S.
 Investigation on lightweight aggregate concrete using
 pumice as partial replacement of coarse aggregate .

Indian Concr J 2016 January; 90(1): 32-38
E 4003-04.
Control No. : 41955

- 52 SOLIMAN, N.A., et al
Laboratory characterization and field application of novel ultra-high-performance glass concrete .
ACI Mater J 2016 May-June; 113(3): 307-16
E 4003-04.
Control No. : 41940
- 53 STEVENS, G.R. and KESNER, K.
Evolution of ACI 562 CODE - PART 4.
Concr Int 2016 May; 38(5): 53-55
E 4003-04.
Control No. : 41919
- 54 TAMUWIDJAJA, H.R., et al
Reducing defects in concrete columns.
Concr Int 2016 June; 38(6): 37-41
E 4003-04.
Control No. : 41921
- 55 TAN, S., et al
Structural behavior of thin prestressed slab beams in bridges.
ACI Struct J 2016 March-April; 113(2): 287-300
E 4003-04.
Control No. : 41906
- 56 TAYLOR, P.C. and WANG, X.
Workability and setting time for slipform paving concrete mixtures.
Concr Int 2016 August; 38(8): 41-48
E 4003-04.
Control No. : 41926
- 57 TREJO, D., et al
Allowable admixed chloride conundrum.
Concr Int 2016 May; 38(5): 35-42
E 4003-04.
Control No. : 41916
- 58 VAQUERO, S.F., , et al
Precast concrete H-shaped frames in pipe rack structures.
Concr Intl 2016 September; 38(9): 42-47
E 4003-04.
Control No. : 41933
- 59 WALSH, K., et al
Testing of reinforced concrete frames extracted from a building damaged during the canterbury earthquakes.
ACI Struct J 2016 March-April; 113(2): 349-62
E 4003-04.
Control No. : 41911

- 60 WIDIANTO, et al
Concrete gravity-based structure.
Concr Int 2016 June; 38(6): 29-36
E 4003-04.
Control No. : 41920
- 61 YOUNIS, K.H. and PILAKOUTAS, K.
Assessment of post-restrained shrinkage mechanical
properties of concrete.
ACI Mater J 2016 May-June; 113(3): 267-76
E 4003-04.
Control No. : 41936
- 62 ZHANG, L. , et al
Comparative evaluation of transport properties of
shotcrete compared to cast-in-place concrete.
ACI Mater J 2016 May-June; 113(3): 373-84
E 4003-04.
Control No. : 41946

list of Articles

- 1 AISSOUN, B.M., et al
Influence of aggregate characteristics on workability of superworkable concrete .
Mater Struct 2016 Jan-Feb; 49(1-2): 597-610
E 4005-06.
Control No. : 42007
- 2 ALI, F.B., et al
Physical and mechanical characterization of sun-dried bricks, a case history : the galeb of kebili .
Mater Struct 2016 Jan-Feb; 49(1-2): 159-65
E 4005-06.
Control No. : 41975
- 3 ALLEVI, S., et al
Hydration of calcium sulhoaluminate clinker with additions of different calcium sulphate sources .
Mater Struct 2016 Jan-Feb; 49(1-2): 453-66
E 4005-06.
Control No. : 41997
- 4 ANDROJIC. I., et al
properties of hot mix asphalt with substituted waste glass.
Mater Struct 2016 Jan-Feb; 49(1-2): 249-60
E 4005-06.
Control No. : 41982
- 5 BABAAHMADI, A., et al
Development of an electro-chemical accelerated ageing method for leaching of calcium from cementitious materials.
Mater Struct 2016 Jan-Feb; 49(1-2): 705-18
E 4005-06.
Control No. : 42015
- 6 BANDELT, M.J. and billington,s.l.
Bond behavior of steel reinforcement in high-performance fiber reinforced cementitious composite flexural members.
Mater Struct 2016 Jan-Feb; 49(1-2): 58-71
E 4005-06.
Control No. : 41969
- 7 BAZANT, Z.P.and DONMEZ, A.
Extrapolation of short-time drying shrinkage tests based on measured diffusion size effect : Concept and reality.
Mater Struct 2016 Jan-Feb; 49(1-2): 411-20
E 4005-06.
Control No. : 41994
- 8 BERNARDI, P., et al
Experimental and numerical study on cracking process in RC and R/FRC ties.

- Mater Struct 2016 Jan-Feb; 49(1-2): 261-77
E 4005-06.
Control No. : 41983
- 9 BRECCOLOTTI, M. and MATERAZZI, A.L.
Role of the vertical acceleration component in the seismic response of masonry chimneys.
Mater Struct 2016 Jan-Feb; 49(1-2): 29-44
E 4005-06.
Control No. : 41966
- 10 BRU, D., et al
Static and dynamic properties of retrofitted timber beams using glass fiber reinforced polymers .
Mater Struct 2016 Jan-Feb; 49(1-2): 181-91
E 4005-06.
Control No. : 41977
- 11 CARMONA, J.R and RUIZ, G..
Experimental study on the fracture of lightly reinforced concrete elements subjected to eccentric compression.
Mater Struct 2016 Jan-Feb; 49(1-2): 87-100
E 4005-06.
Control No. : 41970
- 12 CAVALARO, S.H.P., et al
Assessment of fibre content and 3D profile in cylindrical SFRC specimens.
Mater Struct 2016 Jan-Feb; 49(1-2): 577-630
E 4005-06.
Control No. : 42006
- 13 CHEN, Y., et al
Experimental and finite element analysis research on I-beam under web crippling.
Mater Struct 2016 Jan-Feb; 49(1-2): 421-38
E 4005-06.
Control No. : 41995
- 14 COCCIA, S., et al
Influence of corrosion on the bond strength of steel rebars in concrete.
Mater Struct 2016 Jan-Feb; 49(1-2): 537-52
E 4005-06.
Control No. : 42003
- 15 COLOMBO, M., et al
On the blast resistance of high performance tunnel segments.
Mater Struct 2016 Jan-Feb; 49(1-2): 117-31
E 4005-06.
Control No. : 41972
- 16 FANG, X., et al
Impact of rapid-hardening cements on mechanical properties of cement bitumen emulsion asphalt.

- Mater Struct 2016 Jan-Feb; 49(1-2): 487-98
E 4005-06.
Control No. : 41999
- 17 FOROUGH, S.A., et al
Comparison of tensile and compressive relaxation modulus
of asphalt mixes under various testing conditions.
Mater Struct 2016 Jan-Feb; 49(1-2): 207-23
E 4005-06.
Control No. : 41979
- 18 GARCIA, H., et al
Fire-resistance industrial portal frames : design with
different mechanical properties steels and 35 meters
spans .
Mater Struct 2016 Jan-Feb; 49(1-2): 341-52
E 4005-06.
Control No. : 41989
- 19 GEORGIU, P., et al
Evaluation of the effects of gyratory and field
compaction on asphalt mix internal structure.
Mater Struct 2016 Jan-Feb; 49(1-2): 665-76
E 4005-06.
Control No. : 42012
- 20 GHUGAL, Y.M.
Performance of polymer modified polypropylene fiber
reinforced concrete with low fiber volume fractions.
Indian Concr J 2016 March; 90(3): 44-52
E 4005-06.
Control No. : 41963
- 21 GUNAYISI, E., et al
Effect of different substitution of natural aggregate by
recycled aggregate on performance characteristics of
previous concrete
Mater Struct 2016 Jan-Feb; 49(1-2): 521-36
E 4005-06.
Control No. : 42002
- 22 HADI, M.N.S. and TRAN, T.M.
Seismic rehabilitation of reinforced concrete beam-column
joints by bonding with concrete covers and wrapping with
FRP composites.
Mater Struct 2016 Jan-Feb; 49(1-2): 467-86
E 4005-06.
Control No. : 41998
- 23 HANDLE, F., et al
Bitumen microstructure : a fluorescent approach.
Mater Struct 2016 Jan-Feb; 49(1-2): 167-80
E 4005-06.
Control No. : 41976
- 24 HAO, Y., et al
Experimental investigation of the behaviour of spiral
steel fibre reinforced concrete beams subjected to drop-

- weight impact loads .
Mater Struct 2016 Jan-Feb; 49(1-2): 353-70
E 4005-06.
Control No. : 41990
- 25 HELAL, Y., et al
Strengthening of short splices in RC beams using post-tensioned metal straps.
Mater Struct 2016 Jan-Feb; 49(1-2): 133-47
E 4005-06.
Control No. : 41973
- 26 JIAO, L., et al
Potential for significantly improving performances of oil well cement by soap-free emulsions .
Mater Struct 2016 Jan-Feb; 49(1-2): 279-88
E 4005-06.
Control No. : 41984
- 27 KHANDESHE, A. and INGLE, R.K.
Structural effects of haunched braces in elevated service reservoir staging.
Indian Concr J 2016 March; 90(3): 22-31
E 4005-06.
Control No. : 41961
- 28 KHOSHNAZAR, R., et al
Interaction of 2-,3- and 4- nitrobenzoic acid with the structure of calciu-silicate-hydrate.
Mater Struct 2016 Jan-Feb; 49(1-2): 499-506
E 4005-06.
Control No. : 42000
- 29 KIM, G., et al
Quantitative evaluation of carbonation in concrete using nonlinear ultrasound .
Mater Struct 2016 Jan-Feb; 49(1-2): 399-410
E 4005-06.
Control No. : 41993
- 30 KNOP, Y. and PELED, A.
Setting behavior of blended cement with limestone influence of particle size and content.
Mater Struct 2016 Jan-Feb; 49(1-2): 439-52
E 4005-06.
Control No. : 41996
- 31 LIU, Z., et al
Damage of calcium sulfoaluminate cement paste partially immersed in MgSO4 solution.
Mater Struct 2016 Jan-Feb; 49(1-2): 719-27
E 4005-06.
Control No. : 42016
- 32 MATSAGAR. V.A.
Comparative performance of composite sandwich panels and non-composite panels under blast loading .
Mater Struct 2016 Jan-Feb; 49(1-2): 611-30

- E 4005-06.
Control No. : 42008
- 33 MILKKOVIC, M., et al
Effect of compaction energy on physical and mechanical performance of bitumen emulsion mortar.
Mater Struct 2016 Jan-Feb; 49(1-2): 193-205
E 4005-06.
Control No. : 41978
- 34 MUNOZ VELASCO, P., et al
Eco-fired clay bricks made by adding spent coffee grounds : A sustainable way to improve buildings insulation .
Mater Struct 2016 Jan-Feb; 49(1-2): 641-50
E 4005-06.
Control No. : 42010
- 35 NAJJAR, M.F., et al
Two-stage concrete made with single, binary and ternary binders .
Mater Struct 2016 Jan-Feb; 49(1-2): 317-28
E 4005-06.
Control No. : 41987
- 36 NES, L.G. and OVERLI, J.A.
Structural behaviour of layered beams with fibre-reinforced LWAC and normal density concrete.
Mater Struct 2016 Jan-Feb; 49(1-2): 705-18
E 4005-06.
Control No. : 42014
- 37 PLESSIS, A.D., et al
Simple and fast porosity analysis of concrete using X-ray computed tomography.
Mater Struct 2016 Jan-Feb; 49(1-2): 553-76
E 4005-06.
Control No. : 42004
- 38 PODOLSKY, J.H., et al
Comparative performance of bio-derived/chemical additives in warm mix asphalt at low temperature .
Mater Struct 2016 Jan-Feb; 49(1-2): 563-76
E 4005-06.
Control No. : 42005
- 39 POURBEIK, P., et al
Dynamic mechanical thermo-analysis of portland cement paste hydrated for 45 years.
Mater Struct 2016 Jan-Feb; 49(1-2): 329-40
E 4005-06.
Control No. : 41988
- 40 QIAN, Z., et al
Anm : A geometrical model for the composite structure of mortar and concrete using real-shape particles .
Mater Struct 2016 Jan-Feb; 49(1-2): 149-58
E 4005-06.
Control No. : 41974

- 41 SALEHI, M., et al
Numerical investigation of the role of embedded reinforcement mesh on electrical resistivity measurements of concrete using the Wenner probe technique .
Mater Struct 2016 Jan-Feb; 49(1-2): 301-15
E 4005-06.
Control No. : 41986
- 42 SAPORA, A., et al
Use of fractional calculus to model the experimental creep-recovery behavior of modified bituminous binders.
Mater Struct 2016 Jan-Feb; 49(1-2): 45-55
E 4005-06.
Control No. : 41967
- 43 SHAH, M. and SINGHVI, R.
Study on reduction of pavement noise using porous concrete.
Indian Concr J 2016 March; 90(3): 12-21
E 4005-06.
Control No. : 41960
- 44 SNOECK, D., et al
Encapsulated phase-change materials as additives in cementitious materials to promote thermal comfort in concrete constructions.
Mater Struct 2016 Jan-Feb; 49(1-2): 225-40
E 4005-06.
Control No. : 41980
- 45 SOMMA, G. and PIERETTO, A.
Confinement effects on high strength concrete under axial load : Evaluation of international standards prescriptions.
Mater Struct 2016 Jan-Feb; 49(1-2): 57-69
E 4005-06.
Control No. : 41968
- 46 SOUFI, A., et al
Influence of polymer proportion on transfer properties of repair mortars having equivalent water porosity.
Mater Struct 2016 Jan-Feb; 49(1-2): 383-410
E 4005-06.
Control No. : 41992
- 47 SUDHIKUMAR, G.S., et al
Experimental study on the strength characteristics of slurry infiltrated fibrous ferrocement with partial replacement of natural sand by manufactured sand .
Indian Concr J 2016 March; 90(3): 32-43
E 4005-06.
Control No. : 41962
- 48 SURANENI, P., et al
Factors affecting the strength of structural lightweight aggregate concrete with and without fibers in the 1,200-1,600 kg/m³ density range.
Mater Struct 2016 Jan-Feb; 49(1-2): 677-88

- E 4005-06.
Control No. : 42013
- 49 TRIANTAFILLOU, T.C., et al
FRP confinement of wall-like reinforced concrete columns.
Mater Struct 2016 Jan-Feb; 49(1-2): 651-64
E 4005-06.
Control No. : 42011
- 50 TRIPURA, D.D. and SINGH, K.D.
Behavior of cement-stabilized rammed earth circular
column under axial loading.
Mater Struct 2016 Jan-Feb; 49(1-2): 371-82
E 4005-06.
Control No. : 41991
- 51 TZOURA, E. and TRIANTAFILLOU, T.C.
Shear strengthening of reinforced concrete T-beams under
cyclic loading with TRM or FRP jackets .
Mater Struct 2016 Jan-Feb; 49(1-2): 17-28
E 4005-06.
Control No. : 41965
- 52 VELEZ, W., et al
Electrochemical characterization of early corrosion in
prestressed concrete exposed to salt water.
Mater Struct 2016 Jan-Feb; 49(1-2): 507-20
E 4005-06.
Control No. : 42001
- 53 XUAN, D.X., et al
Shrinkage cracking of cement treated demolition waste as
a road base.
Mater Struct 2016 Jan-Feb; 49(1-2): 631-40
E 4005-06.
Control No. : 42009
- 54 YERRAMALA, A., et al
Impact strength of metakaolin ferrocement .
Mater Struct 2016 Jan/feb; 49(1-2): 5-15
E 4005-06.
Control No. : 41964
- 55 YUKSEL, C.A, et al
Influence of water/powder ratio and powder type on alkali
silica reactivity and transport properties of self-
consolidating concrete.
Mater Struct 2016 Jan-Feb; 49(1-2): 289-300
E 4005-06.
Control No. : 41985
- 56 ZHANG, J., et al
Influence of reinforcement on in-plane mechanical
behaviors of CSPRP under cyclic reversed load.
Mater Struct 2016 Jan-Feb; 49(1-2): 101-16
E 4005-06.
Control No. : 41971

57 ZHOU, X., et al

Molecular simulations and experimental evaluation on the curing of epoxy bitumen .

Mater Struct 2016 Jan-Feb; 49(1-2): 241-48

E 4005-06.

Control No. : 41981

list of Articles

- 1 ABADEL, A., et al
Mechanical properties of hybrid fibre-reinforced concrete
analytical modelling and experimental behaviour.
Mag Concr Res 2016 August; 68(15-16): 823-43
E 4007-08.
Control No. : 42066
- 2 ADHIKARI, S.D., et al
State-of-the-art review on low-velocity impact response
of reinforced concrete beams .
Mag Concr Res 2016 July; 68(13-14): 701-23
E 4007-08.
Control No. : 42056
- 3 ALI, Y, et al
Investigation of factors affecting dynamic modulus and
phase angle of various asphalt concrete mixtures.
Mater Struct 2016 March; 49(3): 857-68
E 4007-08.
Control No. : 42026
- 4 AMIN, A., et al
Modelling the tension stiffening effect in SFR-RC.
Mag Concr Res 2016 April; 68(7-8): 339-52
E 4007-08.
Control No. : 42039
- 5 BLACK, L. and PURNELL, P.
Is carbon dioxide pricing a driver in concrete mix design
Mag Concr Res 2016 June; 68(11-12): 561-67
E 4007-08.
Control No. : 42045
- 6 BLECHMAN, I. and MARTI-VARGAS, J.R.
Pure creep. maturity and MP-creep in concrete in terms of
an exo-process.
Mag Concr Res 2016 July; 68(13-14): 752-53
E 4007-08.
Control No. : 42060
- 7 BYME, A., et al
State-of-the-art review of cathodic protection for
reinforced concrete structures.
Mag Concr Res 2016 July; 68(13-14): 664-77
E 4007-08.
Control No. : 42053
- 8 CASAPULLA, C. and PORTIOLI, F., et al
Experimental tests on the limit states of dry-jointed
tuff blocks.
Mater Struct 2016 March; 49(3): 751-67
E 4007-08.
Control No. : 42019

- 9 CHEN, J.-J., et al
 Shear bearing of cross-plate joints between diaphragm wall panels - I Model tests and shear behaviour.
 Mag Concr Res 2016 September; 68(17-18): 902-15
 E 4007-08.
 Control No. : 42072
- 10 CHENG, Y-H., et al
 Test research on effects of waste ceramic polishing powder on the permeability resistance of concrete.
 Mater Struct 2016 March; 49(3): 729-38
 E 4007-08.
 Control No. : 42017
- 11 CUEZVA, S., et al
 Composition, uses, provenance and stability of rocks and ancient mortars in a Theban tomb in Luxor (Egypt).
 Mater Struct 2016 March; 49(3): 941-60
 E 4007-08.
 Control No. : 42032
- 12 D'ANDREA, A. and TOZZO, C.
 Dynamic tests on bituminous layers interface.
 Mater Struct 2016 March; 49(3): 917-28
 E 4007-08.
 Control No. : 42030
- 13 DENG, Y., et al
 Strand bond stress-slip for prestressed concrete members at prestress release .
 Mater Struct 2016 March; 49(3): 889-903
 E 4007-08.
 Control No. : 42028
- 14 DRAGAS, J., et al
 Mechanical and time-dependent properties of high-volume fly ash concrete for structural use .
 Mag Concr Res 2016 June; 68(11-12): 632-45
 E 4007-08.
 Control No. : 42051
- 15 FENG, Q., et al
 Deterioration aof bond-slip due to corrosion of steel reinforcement in reinforced concrete.
 Mag Concr Res 2016 August; 68(15-16): 768-81
 E 4007-08.
 Control No. : 42062
- 16 FORUZANMEHR, M., et al
 Laboratory evaluation of chemical resistance of pultruded GFRP dowels for concrete pavement.
 Mater Struct 2016 March; 49(3): 929-40
 E 4007-08.
 Control No. : 42031
- 17 GENG, J., et al
 Effect of carbonation on release of bound chlorides in chloride-contaminated concrete .

Mag Concr Res 2016 April; 68(7-8): 353-63
E 4007-08.
Control No. : 42040

- 18 GOSAV, A.V., et al
Failure assessment of flat slab-ato-column members.
Mag Concr Res 2016 September; 68(17-18): 887-901
E 4007-08.
Control No. : 42071
- 19 HEWLETT, P.C.
Pursuit of new concretes.
Mag Concr Res 2016 June; 68(11-12): P 541
E 4007-08.
Control No. : 42042
- 20 HOFKO, B., et al
Impact of maltene and asphaltene fraction on mechanical
behavior and microstructure of bitumen.
Mater Struct 2016 March; 49(3): 829-41
E 4007-08.
Control No. : 42024
- 21 HOU, J., et al
Title Progressive collapse of RC frame structures after a
centre column loss :
Mag Concr Res 2016 April; 68(7-8): 423-31
E 4007-08.

Control No. : 42037
- 22 HSIANG, H-I., et al
Pre-reaction temperature effect on C-S-H colloidal
properties and xonotlaite formation via steam asisted
crystallization.
Mater Struct 2016 March; 49(3): 905-15
E 4007-08.
Control No. : 42029
- 23 HWANG, J.-Y., et al
Fire-resistant capacity of RC structures considering time
dependent creep strain at elevated temperature.
Mag Concr Res 2016 August; 68(15-16): 782-97
E 4007-08.
Control No. : 42063
- 24 JONES, M.R., et al
Stability and instability of foamed concrete.
Mag Concr Res 2016 June; 68(11-12): 542-49
E 4007-08.
Control No. : 42043
- 25 KAUR, G., et al
Mean and design fatigue lives of SFRC containing cement-
based materials .
Mag Concr Res 2016 April; 68(7-8): 325-38

- E 4007-08.
Control No. : 42038
- 26 KHATIB, J.M., et al
Mechanical and physical properties of concrete containing
FGD waste.
Mag Concr Res 2016 June; 68(11-12): 550-60
E 4007-08.
Control No. : 42044
- 27 KIM, M.S., et al
Torsional behaviour of prestressed concrete firder with
precast bod segments.
Mag Concr Res 2016 August; 68(15-16): 859-61
E 4007-08.
Control No. : 42068
- 28 LAI, M.H. and HO , J.C.M.
Confining and hoop stresses in ring-confined thin-walled
concrete-filled steel tube columns.
Mag Concr Res 2016 September; 68(17-18): 916-35
E 4007-08.
Control No. : 42073
- 29 LI, G., et al
Early-age autogenous shrinkage and stress characteristics
of high-performance concrete at the mesoscopic level.
Mag Concr Res 2016 August; 68(15-16): 809-22
E 4007-08.
Control No. : 42065
- 30 LIN, F., et al
Component model for shear transfer in reinforced concrete
Mag Concr Res 2016 August; 68(15-16): 755-67
E 4007-08.
Control No. : 42061
- 31 LIN, Y.-C., et al
Use of ultrasonic pulse velocity to estimate strength of
concrete at various ages .
Mag Concr Res 2016 July; 68(13-14): 739-49
E 4007-08.
Control No. : 42058
- 32 LIU, Z. and HANSEN,W.
Moisture uptake in concrete under freezing-thawing
exposure.
Mag Concr Res 2016 June; 68(11-12): 619-31
E 4007-08.
Control No. : 42050
- 33 LYE, C-Q. and DHIR, R.K.
Carbonation resistance of GGBS (ground granulated blast-
furnace slag) concrete.
Mag Concr Res 2016 September; 68(17-18): 936-968
E 4007-08.
Control No. : 42074

- 34 LYKIDIS, C., et al
Assessment of a modification to the Brinell method for
determining solid wood hardness.
Mater Struct 2016 March; 49(3): 961-68
E 4007-08.
Control No. : 42033
- 35 MA, Z., et al
Effects of hydrostatic pressure on chloride ion
penetration into concrete .
Mag Concr Res 2016 September; 68(17-18): 877-86
E 4007-08.
Control No. : 42070
- 36 MASUD, M. and CHORZEPA, M.G.
Impact resilience of multiscale fibre reinforced
composites.
Mag Concr Res 2016 April; 68(7-8): 379-90
E 4007-08.
Control No. : 42034
- 37 Md.A. ALAM, et al
Development of kenaf fibre reinforced polymer laminate
for shear strengthening of reinforced concrete beam.
Mater Struct 2016 March; 49(3): 795-812
E 4007-08.
Control No. : 42022
- 38 MEDJIGBODO, S., et al
Experimental study of the air-steam mixture leakage rate
through damaged and partially saturated concrete .
Mater Struct 2016 March; 49(3): 843-55
E 4007-08.
Control No. : 42025
- 39 MOHAMMADY, I., et al
Enhancing mechanical performance of rubberised concrete
pavements with sodium hydroxide treatment.
Mater Struct 2016 March; 49(3): 813-27
E 4007-08.
Control No. : 42023
- 40 MORADI, M., et al
Behaviour of precast concrete deck slabs with transverse
confining systems .
Mag Concr Res 2016 September; 68(17-18): 863-76
E 4007-08.
Control No. : 42069
- 41 MUN, J.-H. and YANG, K.-H.
Displacement ductility ratio-based flexural design
approach of reinforced concrete slender shear walls.
Mag Concr Res 2016 April; 68(7-8): 409-22
E 4007-08.
Control No. : 42036

- 42 POURBEIK, P., et al
Creep of 45 year old cement paste : the role of
structural water .
Mater Struct 2016 March; 49(3): 739-50
E 4007-08.
Control No. : 42018
- 43 REAL, S., et al
Thermal conductivity of structural lightweight aggregate
concrete.
Mag Concr Res 2016 August; 68(15-16): 798-808
E 4007-08.
Control No. : 42064
- 44 SAEED, M.K., et al
Early age thermal cracking of mass concrete blocks with
portland cement and ground granulated blast-furnace slag.
Mag Concr Res 2016 July; 68(13-14): 647-63
E 4007-08.
Control No. : 42052
- 45 SANCHAYAN, S. and FOSTER, S.J.
High temperature behaviour of hybrid steel-PVA fibre
reinforced reactive powder concrete.
Mater Struct 2016 March; 49(3): 769
E 4007-08.
Control No. : 42020
- 46 SHAJIL, N., et al
Experimental study on self-centering and ductility of
pseudo-elastic shape memory alloy (PESMA) fiber reinforced
beam and beam column joint specimens.
Mater Struct 2016 March; 49(3): 783-94
E 4007-08.
Control No. : 42021
- 47 THERMOU, G.E., et al
Influence of the cross section shape on the behaviour of
SRG-confined prismatic concrete specimens.
Mater Struct 2016 March; 49(3): 869-86
E 4007-08.
Control No. : 42027
- 48 WANG, H.-I.
steel-concrete bond behaviour of self-compacting concrete
with recycled aggregates.
Mag Concr Res 2016 July; 68(13-14): 678-91
E 4007-08.
Control No. : 42054
- 49 WANG, L., et al
Capillary absorption of concrete after mechanical loading
Mag Concr Res 2016 July; 68(13-14): 750-51
E 4007-08.
Control No. : 42059

- 50 WANG, Y.-C.
Time-dependent brittle creep-relaxation failure in
concrete.
Mag Concr Res 2016 July; 68(13-14): 692-700
E 4007-08.
Control No. : 42055
- 51 WU, D., et al
Effect of binder on suction in cemented gangue backfill.
Mag Concr Res 2016 June; 68(11-12): 593-603
E 4007-08.
Control No. : 42048
- 52 XIANG, Y. and FANG, Z.
Visco-elastic-plastic model for fatigue strain of
concrete at high level of stress .
Mag Concr Res 2016 August; 68(15-16): 844-58
E 4007-08.
Control No. : 42067
- 53 XIONG. H., et al
Load path dependence of strain and stress for confined
concrete.
Mag Concr Res 2016 June; 68(11-12): 604-18
E 4007-08.
Control No. : 42049
- 54 YANG, K.-H. and YI, S.-T.
Tests on direct tensile characteristics of expanded clay
lightweight aggregate concrete.
Mag Concr Res 2016 June; 68(11-12): 581-92
E 4007-08.
Control No. : 42046
- 55 ZHANG, J., et al
Moisture movement in early-age concrete under cement
hydration and environmental drying .
Mag Concr Res 2016 April; 68(7-8): 391-408
E 4007-08.
Control No. : 42035
- 56 ZHANG, W-P., et al
Bond behaviour between corroded steel bars and concrete
under different strain rates .
Mag Concr Res 2016 April; 68(7-8): 384-78
E 4007-08.
Control No. : 42041
- 57 ZHANG, W. and KANAKUBO, T.
Flexural strngthening of RC beams with externally bonded
CFRP plate : Experimental study on shear-peeling
debonding .
Mag Concr Res 2016 July; 68(13-14): 724-38
E 4007-08.
Control No. : 42057

58 ZHANG, W., et al

Experimental study on shear-peeling bond strength between
a CFRP plate and concrete.

Mag Concr Res 2016 June; 68(11-12): 568-80

E 4007-08.

Control No. : 42047

list of Articles

- 1 ABADEL, A., et al
Mechanical properties of hybrid fibre-reinforced concrete
- analytical modelling and experimental behaviour .
Mag Concr Res 2016 November; 68(22): 1183-86
E 4011-12.
Control No. : 42198
- 2 ALBUQUERQUE, N.G.B., et al
Punching shear strength of flat slab-edge column
connections with outward eccentricity .
ACI Struct J 2016 Sept-Oct; 113(5): 1117-29
E 4011-12.
Control No. : 42180
- 3 AMELI, M.J., et al
Seismic column -to-footing connections using grouted
splice sleeves.
ACI Struct J 2016 Sept-Oct; 113(5): 1021-30
E 4011-12.
Control No. : 42171
- 4 CAMPIONE, G., et al
Flexural behavior of external beam-column reinforced
concrete assemblages externally strengthened with steel
cages.
ACI Struct J 2016 Sept-Oct; 113(5): 883-94
E 4011-12.
Control No. : 42159
- 5 CASTEL, A., et al
Modeling steel concrete bond strength reduction due to
corrosion .
ACI Struct J 2016 Sept-Oct; 113(5): 973-82
E 4011-12.
Control No. : 42167
- 6 CHEN, J.J., et al
Shear bearing of cross-plate joints between diaphragm
wall panels - II : Numerical analysis and prediction
formula .
Mag Concr Res 2016 October; 68(20): 1025-39
E 4011-12.
Control No. : 42185
- 7 CHENG, M-Y,, et al
Earthquake-resistant squat walls reinforced with high-
strength steel .
ACI Struct J 2016 Sept-Oct; 113(5): 1065-76
E 4011-12.
Control No. : 42175

- 8 CHO, B.
Hydration characteristics of cement-free binder using
Kambara reactor slag.
Mag Concr Res 2016 November; 68(22): 1143-54
E 4011-12.
Control No. : 42195
- 9 CHOI, K-K., et al
Shear strength model of concrete beams based on
compression zone failure mechanism .
ACI Struct J 2016 Sept-Oct; 113(5): 1095-1106
E 4011-12.
Control No. : 42178
- 10 CONFORTI, A., et al
Combined effect of high concentrated loads exerted by TBM
hydraulic jacks.
Mag Concr Res 2016 November; 68(21): 1122-32
E 4011-12.
Control No. : 42193
- 11 DEMINELL, B.L., et al
Viscosity prediction of cement-filler suspensions using
interference model : A route for binder efficiency
enhancement.
Cem Concr Res 2016 June; 84: 8-19
E 4011-12.
Control No. : 42150
- 12 FANTILLI, A.P., et al
Unified approach for minimum reinforced of concrete beams
ACI Struct J 2016 Sept-Oct; 113(5): 1107-16
E 4011-12.
Control No. : 42179
- 13 FAUSTINO, P. and CHASTRE, C..
Damage effect on concrete columns confined with carbon
composites.
ACI Struct J 2016 Sept-Oct; 113(5): 951-62
E 4011-12.
Control No. : 42165
- 14 GALAN, I., et al
Impact of drying on pore structures in ettringite-rich
cements.
Cem Concr Res 2016 June; 84: 85-94
E 4011-12.
Control No. : 42157
- 15 GARBER, D.B., et al
Strength and serviceability performance of self-
consolidating concrete bridge girders.
ACI Struct J 2016 Sept-Oct; 113(5): 963-72
E 4011-12.
Control No. : 42166

- 16 GOKSU, C. and IIKI, A.
Seismic behavior of reinforced concrete columns with
corroded deformed reinforcing bars.
ACI Struct J 2016 Sept-Oct; 113(5): 1053-64
E 4011-12.
Control No. : 42174
- 17 GOPINATH, S., et al
Investigations on textile-reinforced concrete as cover
for RC beams .
Mag Concr Res 2016 October; 68(20): 1040-50
E 4011-12.
Control No. : 42186
- 18 HAN, D., et al
Influence of high mixing intensity on rheology, hydration
and microstructure of fresh state cement paste .
Cem Concr Res 2016 June; 84: 95-106
E 4011-12.
Control No. : 42158
- 19 HAO, Y. and HAO, H.
Mechanical properties and behaviour of concrete
reinforced with spiral-shaped steel fibres under dynamic
splitting tension.
Mag Concr Res 2016 November; 68(21): 1110-21
E 4011-12.
Control No. : 42192
- 20 HELMY, A.I.I and COLLINS, M.P.
Behavior of reinforced concrete cylindrical shells
subjected to external hydrostatic water pressure .
ACI Struct J 2016 Sept-Oct; 113(5): 1031-42
E 4011-12.
Control No. : 42172
- 21 HONG, S-G., et al
Detailing of cutoff flexural reinforcement.
ACI Struct J 2016 Sept-Oct; 113(5): 895-906
E 4011-12.
Control No. : 42160
- 22 HONG, S. and KANG, T.H.-K.
Dynamic strength properties of concrete and reinforcing
steel subject to extreme loads .
ACI Struct J 2016 Sept-Oct; 113(5): 983-96
E 4011-12.
Control No. : 42168
- 23 KIM, C, et al
Behavior of reinforced concrete with panel strengthened
with carbon fibre-reinforced polymers .
ACI Struct J 2016 Sept-Oct; 113(5): 1077-84
E 4011-12.
Control No. : 42176

- 24 KIM, Y.J. and NICKLE, R.W.
Strength reduction factors for fiber-reinforced polymer-
prestressed concrete bridges in flexure.
ACI Struct J 2016 Sept-Oct; 113(5): 1043-52
E 4011-12.
Control No. : 42173
- 25 KONG, X., et al
Effect of polymer latexes with cleaned serum on the phase
development of hydrating cement pastes.
Cem Concr Res 2016 June; 84: 30-40
E 4011-12.
Control No. : 42152
- 26 LACHANCE, F., et al
Development of precast bridge slabs in high-performance
fiber-reinforced concrete and ultra-high-performance
fiber-reinforced concrete .
ACI Struct J 2016 Sept-Oct ; 113(5): 929-40
E 4011-12.
Control No. : 42163
- 27 LEE, J-H., et al
Mechanical behaviour of concrete with amorphous metallic
and steel fibres.
Mag Concr Res 2016 December; 68(24): 1253-64
E 4011-12.
Control No. : 42204
- 28 LEE, J-Y., et al
Structural behaviour of reinforced concrete beams with
high yield strength stirrups.
Mag Concr Res 2016 December; 68(23): 1187-1199
E 4011-12.
Control No. : 42199
- 29 LI, Q., et al
Effect of sodium sulfate and sodium nitrite on air-void
system in air-entrained concrete .
Mag Concr Res 2016 December; 68(23): 1200-1209
E 4011-12.
Control No. : 42200
- 30 LI, X., et al
Cyclic behavior of earthquake and corrosion-damaged RC
columns.
Mag Concr Res 2016 November; 68(22): E 4011-12
C 1303.
Control No. : 42197
- 31 LI, Y-J., et al
Circular concrete-encased concrete-filled steel tube
(CFST) stub columns subjected to axial compression .
Mag Concr Res 2016 October; 68(19): 995-1010
E 4011-12.
Control No. : 42183

Control No. : 42162

- 40 ROMBACH, G.A. and KOHL, M.
Fatigue strength of reinforced concrete beams without
links under shear loads.
ACI Struct J 2016 Sept-Oct; 113(5): 941-50
E 4011-12.
Control No. : 42164
- 41 SCERRATO, D., et al
Towards the design of an enriched concrete with enhanced
dissipation performances.
Cem Concr Res 2016 June; 84: 48-61
E 4011-12.
Control No. : 42154
- 42 SEIFY ASGHSHAHR, M., et al
Prediction of chloride content in concrete using ANN and
CART .
Mag Concr Res 2016 November; 68(21): 1085-98
E 4011-12.
Control No. : 42190
- 43 SHAHROOZ, B.M., et al
Continuous transverse reinforcement - Behavior and design
implications.
ACI Struct J 2016 Sept-Oct; 113(5): 1084-94
E 4011-12.
Control No. : 42177
- 44 SOARES, L.F.S. and VOLLUM, R.L.
Influence of continuity on punching resistance at edge
columns.
Mag Concr Res 2016 December; 68(23): 1225-39
E 4011-12.
Control No. : 42202
- 45 SOLEIMANI, F., et al
Cyclic testing and assessment of columns containin g
recycled concrete debris.
ACI Struct J 2016 Sept-Oct; 113(5): 1009-20
E 4011-12.
Control No. : 42170
- 46 TENG, S., et al
Numerical simulation of plain concrete specimens with
micromechanical model and simple lattice model.
Mag Concr Res 2016 October; 68(19): 971-80
E 4011-12.
Control No. : 42181
- 47 TREJO, D., et al
Effect of reinforcement grade and ratio on siesmic
performance of reinforced concrete columns.
ACI Struct J 2016 Sept-Oct; 113(5): 907-16
E 4011-12.
Control No. : 42161

- 48 VON DAAKE, H. and STEPHAN, D.
Impact of retarders by controlled additoin on the
setting. early hydration and mocrostructural development
of different cements .
Mag Concr Res 2016 October; 68(19): 1011-24
E 4011-12.
Control No. : 42184
- 49 WANG, X., et al
Assesment of early age properties of cementitious system
through isopropanol-water replacement in the mixing
water .
Cem Concr Res 2016 June; 84: 76-84
E 4011-12.
Control No. : 42156
- 50 WANG, Y., et al
Long-term behaviour of simply supported composite slabs
with recyclced coarse aggregate.
Mag Concr Res 2016 December; 68(24): 1278-93
E 4011-12.
Control No. : 42206
- 51 WANT, R., et al
Improving efficiency of calcium oxide expansive additives
by polylactic acid film.
Mag Concr Res 2016 October; 68(20): 1070-78
E 4011-12.
Control No. : 42188
- 52 WENXUE, Z., et al
Study of formwork pressure of column under ultra-deep
vibration.
Mag Concr Res 2016 November; 68(22): 1155-65
E 4011-12.
Control No. : 42196
- 53 WU, C., et al
Cyclic constitutive model for strain-hardening
cementitious composites.
Mag Concr Res 2016 November; 68(22): 1133-42
E 4011-12.
Control No. : 42194
- 54 WU, X., et al
Effects of temperature and loading rate on the
compressive behaviour of CA mortar.
Mag Concr Res 2016 December; 68(24): 1240-52
E 4011-12.
Control No. : 42203
- 55 YOOPRASERTCHAI, E. and WARNITCHAI, P.
Application of precast hybrid moment-resisting frames for
seismic improvement.
Mag Concr Res 2016 October; 68(20): 1051-69
E 4011-12.
Control No. : 42187

- 56 ZAJAC, M., et al
Effect of retarders on the early hydration of calcium-
sulpho-aluminate (CSA) type cements .
Cem Concr Res 2016 June; 84: 62-75
E 4011-12.
Control No. : 42155
- 57 ZHANG, W., et al
Fatigue properties of shear-peeling debonding between
CFRP plates and concrete.
Mag Concr Res 2016 December; 68(23): 1210-24
E 4011-12.
Control No. : 42201
- 58 ZHOU, W., et al
Maco-meso chemo-physical analysis of early age concrete
based on a fixed hydration model .
Mag Concr Res 2016 October; 68(19): 981-94
E 4011-12.
Control No. : 42182

AUTHOR INDEX

ABADEL, A., et al	1
ALBUQUERQUE, N.G.B., et al	2
AMELI, M.J., et al	3
CAMPIONE, G., et al	4
CASTEL, A., et al	5
CHEN, J.J., et al	6
CHENG, M-Y,, et al	7
CHO, B.	8
CHOI, K-K., et al	9
CONFORTI, A., et al	10
DEMINELL, B.L., et al	11
FANTILLI, A.P., et al	12
FAUSTINO, P. and CHASTRE, C..	13
GA;LAN, I., et al	14
GARBER, D.B., et al	15
GOKSU, C. and IIKI, A.	16
GOPINATH, S., et al	17
HAN, D., et al	18
HAO, Y. and HAO, H.	19
HELMY, A.I.I and COLLINS, M.P.	20
HONG, S-G., et al	21
HONG, S. and KANG, T.H.-K.	22
KIM, C, et al	23
KIM, Y.J. and NICKLE, R.W.	24
KONG, X., et al	25
LACHANCE, F., et al	26
LEE, J-H., et al	27
LEE, J-Y., et al	28
LI, Q., et al	29
LI, X., et al	30
LI, Y-J., et al	31
MABUDO, G.M., et al	32
MAHREHOLTZ, P. et al	33
MUN, J.-H., et al	34
PALIN, DL, et al	35
PAREDES, E.C., et al	36
PLANK, J., et al	37
POYET, S., et al	38
PROESTOS, G.T., et al	39
ROMBACH, G.A. and KOHL, M.	40
SCERRATO, D., et al	41
SEIFY ASGHSHAHR, M., et al	42
SHAHROOZ, B.M., et al	43
SOARES, L.F.S. and VOLLUM, R.L.	44
SOLEIMANI, F., et al	45

AUTHOR INDEX

TENG, S., et al	46
TREJO, D., et al	47
VON DAAKE, H. and STEPHAN, D.	48
WANG, X., et al	49
WANG, Y., et al	50
WANT, R., et al	51
WENXUE, Z., et al	52
WU, C., et al	53
WU, X., et al	54
YOOPRASERTCHAI, E. and WARNITCHAI, P.	55
ZAJAC, M., et al	56
ZHANG, W., et al	57
ZHOU, W., et al	58

list of Articles

- 1 ABDULLAH, S., et al
Experimental study of nonplanar wall-to-beam connections
under cyclic loading.
ACI Struct J 2016 Jul-Aug; 113(4): 655-64
E 4009-10.
Control No. : 42100
- 2 ADRIEN, J., et al
In-situ X-ray tomographic monitoring of gypsum plaster
setting .
Cem Concr Res 2016 April; 82: 107-16
E 4009-10.
Control No. : 42128
- 3 ALONSO, M.C., et al
Calcium aluminate based cement for concrete to be used as
thermal energy storage in solar thermal electricity
plants.
Cem Concr Res 2016 April; 82: 74-91
E 4009-10.
Control No. : 42125
- 4 ASSAAD, J.J. and ISSA, C.A.
Use of locked-cycle protocol to assess cement fineness
and properties in laboratory grinding mills .
ACI Mater J 2016 Jul-Aug; 113(4): 429-38
E 4009-10.
Control No. : 42088
- 5 BALAKUMARAN, S.S.G.
Chloride-induced corrosion deterioration of bridge deck
with latex modified concrete overlay .
ACI Materials Journal 2016 Jul-Aug; 113(4): 493-504
E 4009-10.
Control No. : 42093
- 6 BLIGH, M.W., et al
Investigation of early hydration dynamics and
microstructural development in ordinary portland cement
using 1H NMR relaxometry and isothermal calorimetry .
Cem Concr Res 2016 May; 83: 131-39
E 4009-10.
Control No. : 42143
- 7 BURGUENO, R., et al
Second-order effects on seismic response of slender
bridge columns.
ACI Struct J` 2016 July-Aug; 113(4): 735-46
E 4009-10.
Control No. : 42107

- 8 CALVI, P.M., et al
Reversed cyclic experiments on shear stress transfer
across cracks in reinforced concrete elements.
ACI Struct J 2016 Jul-Aug; 113(4): 851-60
E 4009-10.
Control No. : 42117
- 9 CASTELLAZZI, G., et al
Multiphase model for hygrothermal analysis of porous
media with salt crystallization and hydration.
Mater Struct 2016 March; 49(3): 1039-64
E 4009-10.
Control No. : 42080
- 10 CHALENCON, F., et al
Homogenous and heterogeneous rheology and flow induced
microstructures of a fresh fiber-reinforced mortar .
Cem Concr Res 2016 April; 82: 130-41
E 4009-10.
Control No. : 42130
- 11 CHEN, X. and BU, J.
Experimental study on direct tensile behavior of concrete
under various loading regimes.
ACI Mater J 2016 Jul-Aug; 113(4): 513-22
E 4009-10.
Control No. : 42096
- 12 CUROSU, I., et al
Effect of fiber properties and matrix composition on the
tensile behavior of strain-hardening cement-based
composites (SHCCs) subject to impact loading .
Cem Concr Res 2016 April; 82: 23-35
E 4009-10.
Control No. : 42121
- 13 DA SILVA, M.J., et al
Feasibility study of steel slag aggregates in precast
concrete pavers.
ACI Mater J 2016 Jul-Aug; 113(4): 439-46
E 4009-10.
Control No. : 42089
- 14 DEVIAU-DESNOYERS, DE., et al
Characterization of macrocrack propagation under
sustained loading in steel fibres reinforced concrete .
Mater Struct 2016 March; 49(3): 969-82
E 4009-10.
Control No. : 42075
- 15 DROUGKAS, A., et al
Compressive strength and elasticity of pure lime mortar
masonry .
Mater Struct 2016 March; 49(3): 983-1000
E 4009-10.
Control No. : 42076

- 16 DU, H., et al
Improvement in concrete resistance against water and chloride ingress by adding graphene nanoplatelet.
Cem Concr Res 2016 May; 83: 114-23
E 4009-10.
Control No. : 42141
- 17 EINPAUL, J., et al
Performance of punching shear reinforcement under gravity loading influence of type and detailing.
ACI Struct J 2016 Jul-Aug; 113(4): 827-38
E 4009-10.
Control No. : 42115
- 18 EINPAUL, J., et al
Punching shear capacity of continuous slabs.
ACI Struct J 2016 Jul-Aug; 113(4): 861-72
E 4009-10.
Control No. : 42118
- 19 ERSAN, Y.C., et al
Nitrate reducing CaCO₃ precipitating bacteria survive in mortar and inhibit steel corrosion.
Cem Concr Res 2016 May; 83: 19-30
E 4009-10.
Control No. : 42132
- 20 FAIYAS, A.P.A., et al
Effect of MHEC on evaporation and hydration characteristics of glue mortar.
Cem Concr Res 2016 May; 83: 97-103
E 4009-10.
Control No. : 42139
- 21 GHAFoori, N., et al
Sulfate resistance of nanosilica and microsilica contained mortars.
ACI Mater J 2016 Jul-Aug; 113(4): 459-70
E 4009-10.
Control No. : 42091
- 22 GHANEI, A.H. and AGHAYARI, R.
Experimental investigation on effect of aspect ratio on behavior of isolated reinforced concrete struts.
ACI Struct J 2016 Jul-Aug; 113(4): 643-54
E 4009-10.
Control No. : 42099
- 23 GHOLIZADEH, A., et al
Composition-rheology relationships in alkali-silica reaction gels and the impact on the gel's deleterious behavior.
Cem Concr Res 2016 May; 83: 45-56
E 4009-10.
Control No. : 42134

- 24 GHOLIZADEH, A., et al
Extended chemical index model to predict the fly ash dosage necessary for mitigating alkali-silica areaction in concrete.
Cem Concr Res 2016 April; 82: 1-10
E 4009-10.
Control No. : 42119
- 25 GUDIMETTLA, J. and CRAWFORD, G.
resistivity tests for concrete - recent field experience.
ACI Mater J 2016 Jul-Aug; 113(4): 505-12
E 4009-10.
Control No. : 42095
- 26 GUNEYISI, E.M., et al
Assessment of shear capacity of adhesive anchors for structures using neural network based model .
Mater Struct 2016 March; 49(3): 1065-78
E 4009-10.
Control No. : 42081
- 27 HELMY, A.I.I. and COLLINS, M.P.
Behavior of storage cells in condeep structure under hydrostatic pressure.
ACI Struct J 2016 Jul-Aug; 113(4): 839-50
E 4009-10.
Control No. : 42116
- 28 HERTAL, T., et al
Study of hydration potential and kinetics of the ferrite phase in iron-rich CAC .
Cem Concr Res 2016 May; 83: 79-85
E 4009-10.
Control No. : 42137
- 29 HLOBIL, M., et al
Micromechanical multiscale fracture model for compressive strength of blended cement pastes .
Cem Concr Res 2016 May; 83: 188-202
E 4009-10.
Control No. : 42148
- 30 HONORIO, T., et al
Modeling hydration kinetics based on boundary nucleation and space-filling growth in a fixed confined zone .
Cem Concr Res 2016 May; 83: 31-44
E4009-10.
Control No. : 42133
- 31 HOSSAIN, M.I., et al
Determining effects of moisture in mastic materials using nanoindentation.
Mater Struct 2016 March; 49(3): 1079-92
E 4009-10.
Control No. : 42082

- 32 IRFAN-UL-HASSAN, M., et al
Elastic and creep properties of young cement paste, as determined from hourly repeated minute-long quasi-static tests.
Cem Concr Res 2016 April; 82: 36-49
E 4009-10.
Control No. : 42122
- 33 JANG, J.G.
Microstructure densification and CO2 uptake promoted by the carbonation curing of belite-rich portland cement .
Cem Concr Res 2016 April; 82: 50-57
E 4009-10.
Control No. : 42123
- 34 JO, B.W., et al
Efficacy of alkali-treated jute as fibre reinforcement in enhancing the mechanical properties of cement mortar.
Mater Struct 2016 March; 49(3): 1093-1104
E 4009-10.
Control No. : 42083
- 35 KAISH, A.B.M.A., et al
Approach to improve conventional square ferrocement jacket for strengthening application of short square RC column.
Mater Struct 2016 March; 49(3): 1025-38
E 4009-10.
Control No. : 42079
- 36 KANG, S-B. and TAN, K.H.
Analytical model for compressive arch action in horizontally restrained beam-column subassemblages.
ACI Struct J 2016 Jul-Aug; 113(4): 813-26
E 4009-10.
Control No. : 42114
- 37 KHALED, M., et al
Strut efficiency -based design for concrete deep beams reinforced with fiber-reinforced polymer bars .
ACI Struct J` 2016 July-Aug; 113(4): 791-800
E 4009-10.
Control No. : 42112
- 38 LALAN, P., et al
Impact of a 70 degree C atemperature on an ordinary portland cement paste/clastone interface : An in situ experiment .
Cem Concr Res 2016 May; 83: 164-78
E 4009-10.
Control No. : 42146
- 39 LARBI, B., et al
Link between microstructure and tritiated water diffusivity inmortars : Impact of aggregates.
Cem Concr Res 2016 April; 82: 92-99
E 4009-10.
Control No. : 42126

- 40 LASKAWIEC, K., et al
 Influence of fluidized ashes on properties of autoclaved aerated concrete.
 ACI Mater J 2016 Jul-Aug; 113(4): 409-18
 E 4009-10.
 Control No. : 42086
- 41 LEE, C.H. and HOVER, K.C.
 Extracting kinetic parameters from penetration resistance measurements.
 Cem Concr Res 2016 May; 83: 140-51
 E 4009-10.
 Control No. : 42144
- 42 LI, G., et al
 Resistance of segmental joints to chloride ions.
 ACI Mater J 2016 Jul-Aug; 113(4): 471-82
 E 4009-10.
 Control No. : 42092
- 43 LI, K., et al
 Investigation of liquid water and gas permeability of partially saturated cement paste by DEM approach .
 Cem Concr Res 2016 May; 83: 104-13
 E 4009-10.
 Control No. : 42140
- 44 LIU, S., et al
 Evaluation of self-healing of internal cracks in biomimetic mortar using coda wave interferometry .
 Cem Concr Res 2016 May; 83: 70-85
 E 4009-10.
 Control No. : 42136
- 45 MUN. J-H, et al
 Seismic tests on heavyweight concrete shear walls with wire ropes as lateral reinforcement.
 ACI Struct J 2016 Jul-Aug; 113(4): 665-76
 E 4009-10.
 Control No. : 42101
- 46 MURRAY, C.D., et al
 Durability of silane sealer in highly alkaline environment.
 ACI Mater J 2016 Jul-Aug; 113(4): 387-94
 E 4009-10.
 Control No. : 42084
- 47 NUNES, C. and SLIZKOVA, M.
 Microstructure of lime and lime-pozzolana pastes with nanosilica.
 Cem Concr Res 2016 May; 83: 152-63
 E 4009-10.
 Control No. : 42145
- 48 OKORONKWO, M.U. and GLASSER, F.P.
 Compatibility of hydrogarnet $\text{Ca}_3\text{Al}_2(\text{SiO}_4)_x(\text{OH})_{4(3-x)}$, with sulfate and carbonate-bearing cement phases; 5-85

degree C .
Cem Concr Res 2016 May; 83: 86-96
E 4009-10.
Control No. : 42138

- 49 OVITIGALA, TG., et al
Serviceability and ultimate load behavior of concrete beams reinforced with basalt fiber-reinforced polymer bars.
ACI Struct J` 2016 July-Aug; 113(4): 757-68
E 4009-10.
Control No. : 42109
- 50 PASCHALIS, S.A. and LAMPROPOULOS, A.P.
Ultra-high-performance fiber-reinforced concrete under cyclic loading.
ACI Mater J 2016 Jul-Aug; 113(4): 419-28
E 4009-10.
Control No. : 42087
- 51 PEREZ-NICOLAS, M., et al
Study on the effectiveness of PNS and LS superplasticizers in air lime-based mortars .
Cem Concr Res 2016 April; 82: 11-22
E 4009-10.
Control No. : 42120
- 52 PRADO, N.I., et al
Arrangement of transverse reinforcement in hollow piers subjected to lateral load.
ACI Struct J` 2016 July-Aug; 113(4): 723-34
E 4009-10.
Control No. : 42106
- 53 QI, J.N., et al
Shear behavior of externally prestressed concrete beams with draped tendons.
ACI Struct J 2016 Jul-Aug; 113(4): 677-88
E 4009-10.
Control No. : 42102
- 54 RAGHAVENDRA, T., et al
Controlled low-strength materials using bagasse ash and fly ash.
ACI Mater J 2016 Jul-Aug; 113(4): 447-58
E 4009-10.
Control No. : 42090
- 55 RICHARDSON, I.G., et al
Hydration of water and alkali-activated white portland cement pastes and blends with low-calcium pulverized fuel ash .
Cem Concr Res 2016 May; 83: 1-18
E4009-10.
Control No. : 42131

- 56 SAEIDPOUR, M., et al
Moisture diffusion coefficients of mortars in absorption
and desorption.
Cem Concr Res 2016 May; 83: 179-87
E 4009-10.
Control No. : 42147
- 57 SANCHEZ, L.F.M., et al
Use of damage rating index to quantity alkali-silica
reaction damage in concrete : Fine versus coarse
aggregate .
ACI Mater J 2016 Jul-Aug; 113(4): 395-408
E 4009-10.
Control No. : 42085
- 58 SCHULER, H. and TROST, B.
Sliding shear resistance of squal walls under reverse
loading : Mechanical model and parametric study.
ACI Struct J 2016 Jul-Aug; 113(4): 711-22
E 4009-10.
Control No. : 42105
- 59 SHARMA, A., et al
Influence of tension loading protocol on crack cycling
tests on undercut anchors.
ACI Struct J` 2016 July-Aug; 113(4): 779-90
E 4009-10.
Control No. : 42111
- 60 SIAD, H., et al
Preconditioning method for accelerated testing of
concrete under sulfate attack.
ACI Materials Journal 2016 Jul-Aug; 113(4): 493-504
E 4009-10.
Control No. : 42094
- 61 SWITEK-REY, A., et al
Early age creep and relaxation of UHPFRC under low to
high tensile stresses.
Cem Concr Res 2016 May; 83: 57-69
E 4009-10.
Control No. : 42135
- 62 TANG, F., et al
Chloride-induced corrosion mechanism and ratge of enamel-
and epoxy-coated deformed steel bars embedded in mortar
Cem Concr Res 2016 April; 82: 58-73
E 4009-10.
Control No. : 42124
- 63 UZER , E. and PLANK, J.
Impact of welan gum stabilizer on the dispersing
performance of polycarboxylate superplasticizers.
Cem Concr Res 2016 April; 82: 100-106
E 4009-10.
Control No. : 42127

- 64 WILLIAMS, S.L., et al
Flexural strength recovery induced by vegetative bacteria added to mortar.
ACI Mater J 2016 Jul-Aug; 113(4): 523-32
E 4009-10.
Control No. : 42097
- 65 WILLIAMSON, T. and JUENGER, M.C.G.
Role of activating solution concentration on alkali-silica reaction in alkali-activated fly ash concrete.
Cem Concr Res 2016 May; 83: 124-30
E 4009-10.
Control No. : 42142
- 66 XIE, J., et al
Experimental study on the flexural behavior of stone beams strengthened with a combination of angle steels and PET belts.
Mater Struct 2016 March; 49(3): 1013-1024
E 4009-10.
Control No. : 42078
- 67 XUE, W., et al
Prediction of long-term deflections for high-speed railway prestressed concrete beams.
ACI Struct J` 2016 July-Aug; 113(4): 769-78
E 4009-10.
Control No. : 42110
- 68 YANG, K-H., et al
Mixture proportioning approach for low-CO2 concrete using supplementary cementitious materials .
ACI Mater J 2016 Jul-Aug; 113(4): 533-42
E 4009-10.
Control No. : 42098
- 69 YI, W.J., et al
Simplified approach for assessing shear resistance of reinforced concrete beams under impact loads.
ACI Struct J` 2016 July-Aug; 113(4): 747-56
E 4009-10.
Control No. : 42108
- 70 YIN, P., et al
Compressive behavior of concrete confined by CFRP and transverse spiral reinforcement, Part A : Experimental Study .
Mater Struct 2016 March; 49(3): 1001-12
E 4009-10.
Control No. : 42077
- 71 YU, J., et al
New Extended finite element method for pinching effect in reinforced concrete columns.
ACI Struct J 2016 Jul-Aug; 113(4): 689-700
E 4009-10.
Control No. : 42103

- 72 YUAN, J., et al
Effect of preexisting cracks on lap splice strength of
reinforcing bars.
ACI Struct J 2016 Jul-Aug; 113(4): 601-12
E 4009-10.
Control No. : 42113
- 73 ZHANG, N., et al
Experimental studies of reinforced concrete beams using
exbedded steel trusses.
ACI Struct J 2016 Jul-Aug; 113(4): 701-10
E 4009-10.
Control No. : 42104
- 74 ZHOU, C., et al
Indirect assessment of hydraulic diffusivity and
permeability for unsaturated cement-based material from
sorptivity .
Cem Concr Res 2016 April; 82: 117-129
E 4009-10.
Control No. : 42129

list of Articles

- 1 AGHDASI, P., et al
Developing ultra-high-performance fiber-reinforced concrete for large-scale structural applications.
ACI Mater J 2016 Sept-Oct; 113(5): 559-70
E 4017-18.
Control No. : 42325
- 2 AL-NAJJAR, Y., et al
Physical and chemical actions of nano-mineral additives on properties of high-volume fly ash engineered cementitious composites.
ACI Mater J 2016 Nov-Dec; 113(6): 791-802
E 4017-18.
Control No. : 42369
- 3 ALAM, m.s., et al
Investigation into land surface deformation due to hard rock underground metal mining using differential interferometric synthetic aperture radar (D-InSAR) technique.
J Mine Metal Fuels 2017 January; 65(1): 6-12
E 4017-18.
Control No. : 42319
- 4 ALGHAMDI, S.A., et al
Optimization of concrete mixture design and cover thickness for reinforced concrete members under chloride exposure.
ACI Mater J 2016 Sept-Oct; 113(5): 589-98
E 4017-18.
Control No. : 42328
- 5 BABAEE, M., et al
Chloride induced corrosion of reinforcement in low-calcium fly ash based geopolymer concrete.
Cem Concr Res 2016 October; 88: 96-107
E 4017-18.
Control No. : 42347
- 6 BEDDOE, R.E.
Modelling acid attack on concrete : Part II. A computer model.
Cem Concr Res 2016 October; 88: 20-35
E 4017-18.
Control No. : 42341
- 7 BERGOLD, S.T., et al
Influence of the reactivity of the amorphous part of mechanically activated alite on its hydration kinetics.
Cem Concr Res 2016 October; 88: 73-81
E 4017-18.
Control No. : 42345

- 8 BISHWAL, R.M., et al
Influence of clay content on the shear strength and physico-mechanical properties of sand-clay mixtures - a laboratory study .
J Mine, Metal & Fuel 2017 January; 65(1): 24-30
E 4017-18.
Control No. : 42322
- 9 BYARD, B.E., et al
Validation of modified B3 model to predict early-age stress development of concrete .
ACI Mater J 2016 Sept-Oct; 113(5): 691-700
E 4017-18.
Control No. : 42338
- 10 CASTELLANOS, N.T., et al
Mechanical performance of concrete with waste from oil industry.
ACI Mater J 2016 Sept-Oct; 113(5): 653-60
E 4017-18.
Control No. : 42334
- 11 CHAUDHARY, B.S. and ARORA, R.
Screened drill cuttings in blasthole for tamping of stemming to reduce generation of fly rock .
J Mine, Metal & Fuel 2017 January; 65(1): 19-23
E 4017-18.
Control No. : 42321
- 12 CHITEZ, A.S. and JEFFERSON, A.D.
Coupled thermo-hygro-chemical model for characterising autogenous healing in ordinary cementitious materials.
Cem Concr Res 2016 October; 88: 184-97
E 4017-18.
Control No. : 42355
- 13 CHOUDHURY, S.
Radial basis function supported implicit geological modelling tool for mining industry.
J Mine Metal Fuels 2017 January; 65(1): 13-18
E 4017-18.
Control No. : 42320
- 14 CYR, m. AND pouhet, R.
Carbonation in the pore solution of metakaolin-based geopolymer.
Cem Concr Res 2016 October; 88: 227-34
E 4017-18.
Control No. : 42359
- 15 DENIZ gENC tOKGOZ, D., et al
Strength and durability of composite concretes with municipal wastes.
ACI Mater J 2016 Sept-Oct; 113(5): 669-78
E 4017-18.
Control No. : 42336

- 16 DUFFO, G.S. and FARINA, S.B.
 Electrochemical behaviour of steel in mortar and in simulated pore solutions : Analogies and differences.
 Cem Concr Res 2016 October; 88: 211-16
 E 4017-18.
 Control No. : 42357
- 17 ESTABRAGH, A.R., et al
 Effect of cement on mechanical behavior of soil contaminated with monoethylene glycol (MEG) .
 ACI Mater J 2016 Nov-Dec; 113(6): 709-18
 E 4017-18.
 Control No. : 42360
- 18 FROLICH, L., et al
 Using isothermal calorimetry to predeict one day mortar strengths.
 Cem Concr Res 2016 October; 88: 108-13
 E 4017-18.
 Control No. : 42348
- 19 GARGOURI, A., et al
 Laboaroty investigation of self-consolidating waste tire rubberized concrete .
 ACI Mater J 2016 Sept-Oct; 113(5): 661-68
 E 4017-18.
 Control No. : 42335
- 20 GHANNOUM, W.M. and SLAVIN, C.M.
 Low-cycle fatigue performance of hoigh-strength steel reinforcing bars.
 ACI Mater J 2016 Nov-Dec; 113(6): 803-14
 E 4017-18.
 Control No. : 42370
- 21 GONZALEZ-COROMINAS, A., et al
 Steam curing influence on fly ash high-performance recycled concrete.
 ACI Mater J 2016 Nov-Dec; 113(6): 815-26
 E 4017-18.
 Control No. : 42371
- 22 HIGL, J., et al
 Confocal raman microscopy as a non-destructive tool to study microstructure of hydrating cementitious materials.
 Cem Concr Res 2016 October; 88: 136-43
 E 4017-18.
 Control No. : 42351
- 23 HU, Q., et al
 Direct three-dimensional observation of the microstructure and chemistry of C3S hydration.
 Cem Concr Res 2016 October; 88: 157-69
 E 4017-18.
 Control No. : 42353

- 24 HUO, J., et al
Effect of microstructure variation on damage evolution of
concrete at high temperatures.
ACI Mater J 2016 Sept-Oct; 113(5): 547-58
E 4017-18.
Control No. : 42324
- 25 HUSSAIN, R., et al
Accelerated rusting of reinforcing bars : The role of
manganese alloying in concrete reinforcement steel bars.
ACI Mater J 2016 Sept-Oct; 113(5): 579-88
E 4017-18.
Control No. : 42327
- 26 IBRAHIM, M.A. and ISSA, M.A.
Time dependent diffusion modeling of concrete with cement
containing limestone and inorganic process additions.
ACI Mater J 2016 Nov-Dec; 113(6): 837-49
E 4017-18.
Control No. : 42373
- 27 ISMAIL, M.K. and HASSAN, A.A.A.
Impact resistance and acoustic absorption capacity of
self-consolidating rubberized concrete.
ACI Mater J 2016 Nov-Dec; 113(6): 725-36
E 4017-18.
Control No. : 42362
- 28 KONIGSBERGER, M., et al
Densification of C-S-H is mainly driven by available
precipitation space as quantified throu an analytical
cement hydration model based on NMR data.
Cem Concr Res 2016 October; 88: 170-83
E 4017-18.
Control No. : 42354
- 29 LIU, F. and SUN, Z.
Study of hydration process of cement paste with chemical
mapping.
ACI Mater J 2016 Sept-Oct; 113(5): 609-20
E 4017-18.
Control No. : 42330
- 30 LOTFY, A., et al
Transport and durability properties of self-consolidating
concrete using three types of lightweight aggregates.
ACI Mater J 2016 Sept-Oct; 113(5): 679-90
Control No. : 42337
- 31 MA, S., et al
Phase evolution of oil well cements with nano-additive at
elevated temperature/apressure.
ACI Mater J 2016 Sept-Oct; 113(5): 571-78
E 4017-18.
Control No. : 42326

- 32 MAHRENHOLTZ, P. AND ELIGEHAUSEN, R.
Anchor displacement behavior during simulataneous load
and crack cycling.
A CI Mater J 2016 Sept-Oct; 113(5): 645-52
E 4017-18.
Control No. : 42333
- 33 MARDANI-AGHABAGLOU, A., et al
Microstructural analyses of recycled aggregate-bearing
mortar mixture.
ACI Mater J 2016 Nov-Dec; 113(6): 769-80
E 4017-18.
Control No. : 42367
- 34 MAYERCSIK, N.P., et al
Assessing the efficiency of entrained air voids for
freeze-thaw durability through modeling.
Cem Concr Res 2016 October; 88: 43-59
E 4017-18.
Control No. : 42343
- 35 MO, L., et al
Mechanical performance and microstructure of the calcium
carbonate binders produced by carbonating steel slag
paste under CO2 curing .
Cem Concr Res 2016 October; 88: 217-26
E 4017-18.
Control No. : 42358
- 36 MOBILI, A., et al
Metakaolin and fly ash alkali-activated mortars compared
with cementitious mortars at the same strength class.
Cem Concr Res 2016 October; 88: 198-210
E 4017-18.
Control No. : 42356
- 37 MOCZKO, A.T., et al
CAPO-TEST to estimate concrete strength in bridges.
ACI Mater J 2016 Nov-Dec; 113(6): 827-36
E 4017-18.
Control No. : 42372
- 38 MUKHOPADHYAY, M. and SEN, P.
Circular failure anlaysis for slopes made up of
homogeneous material - a review .
J Mine Metal & Fuel 2017 January; 65(1): 1-5
E 4017-18.
Control No. : 42318
- 39 OBLA, K.H., et al
Tests and criteria for concrete resistant to chloride ion
penetration.
ACI Mater J 2016 Sept-Oct; 113(5): 621-32
E 4017-18.
Control No. : 42331

- 40 ONGPENG, J.M.C.
Damage progression in concrete using acoustic emission
test through convex hull visualization.
ACI Mater J 2016 Nov-Dec; 113(6): 737-44
E 4017-18.
Control No. : 42363
- 41 OZNUR, H., et al
Combined use of natural and artificial slag aggregates
in producing self-consolidating concrete.
ACI Mater J 2016 Sept-Oct; 113(5): 599-608
E 4017-18.
Control No. : 42329
- 42 PYO, S., et al
Direct tensile behavior of ultra high performance fiber
reinforced concrete (UHP-FRC) at high strain rates .
Cem Concr Res 2016 October; 88: 144-56
E 4017-18.
Control No. : 42352
- 43 RAFIEI, M.H., et al
Neural network, machine learning, and evolutionary
approaches for concrete material characterization .
ACI Mater J 2016 Nov-Dec; 113(6): 781-90
E 4017-18.
Control No. : 42368
- 44 RANI, R. and JAIN, M.K.
Review on sustainable approach for management of fly ash
in different sectors - Indian scenario.
J Mine, Metal & Fuel 2017 January; 65(1): 31-35
E 4017-18.
Control No. : 42323
- 45 ROSENQVIST, M., et al
Microscopic ice lens growth in hardened concrete.
Cem Concr Res 2016 October; 88: 114-25
E 4017-18.
Control No. : 42349
- 46 SALVADOR, R.P., et al
Influence of spraying on the early hydration of
accelerated cement pastes.
Cem Concr Res 2016 October; 88: 7-19
E 4017-18.
Control No. : 42340
- 47 SHI, Z., et al
Experimental studies and thermodynamic modeling of the
carbonation of portland cement, metakaolin and limestone
mortars.
Cem Concr Res 2016 October; 88: 60-72
E 4017-18.
Control No. : 42344

- 48 SWANTON, S.W., et al
Leaching behavior of low Ca:Si ratio CaO-SiO₂-H₂O systems
Cem Concr Res 2016 October; 88: 82-95
E 4017-18.
Control No. : 42346
- 49 VANHOVE, Y. and KHAYAT, K.H.
Forced bleeding test to assess stability of flowable
concrete.
ACI Mater J 2016 Nov-Dec; 113(6): 753-58
E 4017-18.
Control No. : 42365
- 50 VASILIC, K., et al
Flow of fresh concrete through reinforced elements :
Experimental validation of the porous analogy numerical
method.
Cem Concr Res 2016 October; 88: 1-6
E 4017-18.
Control No. : 42339
- 51 VOSAHLIK, J., et al
Effect of air void clustering on concrete compressive
strength .
ACI Mater J 2016 Nov-Dec; 113(6): 759-68
E 4017-18.
Control No. : 42366
- 52 WANG, F., et al
Preparation and processability of light-transmitting
magnesian cementitious materials.
ACI Mater J 2016 Nov-Dec; 113(6): 719-24
E 4017-18.
Control No. : 42361
- 53 YE, H. and RADLINSKA, A.
Shrinkage mechanisms of alkali-activated slag .
Cem Concr Res 2016 October; 88: 126-35
E 4017-18.
Control No. : 42350
- 54 YOO, D.Y., et al
Mechanical properties of corrosion-free and sustainable
amorphous metallic fiber-reinforced concrete.
ACI Mater J 2016 Sept-Oct; 113(5): 633-44
E 4017-18.
Control No. : 42332
- 55 YU, D., et al
High-strength, cement-free concrete of flue gas
desulfurization gypsum-based non-fired brick .
ACI Mater J 2016 Nov-Dec; 113(6): 745-52
E 4017-18.
Control No. : 42364
- 56 ZHANG, T., et al
Control of drying shrinkage in magnesium silicate hydrate
(m-s-h) gel mortars .

Cem Concr Res 2016 October; 88: 36-42
E 4017-18.
Control No. : 42342