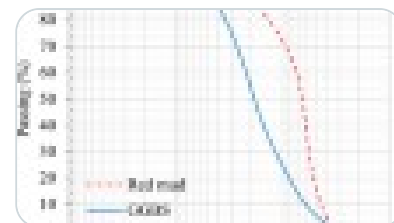


Synergy of tests and finite element analysis for predicting axial structural behavior of CFRP-confined activated red mud-based geopolymer composites

Ali RazaAbdellatif SelmiNejib Ghazouani

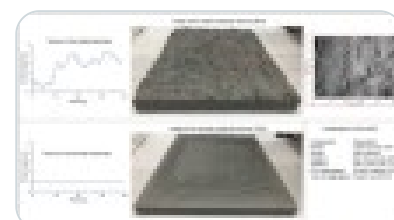
Original Article | 12 May 2025 | Article: 150



On the gluing and interlocking of asphalt on concrete

Moritz MiddendorfJia LiuEduardus A. B. Koenders

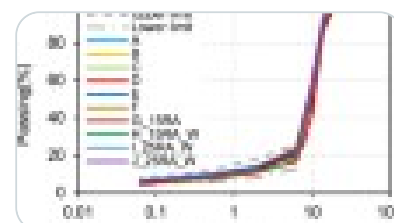
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Assessment of the Darmstadt scuffing device for ravelling resistance in porous asphalt used in Italian motorways

Andrea ScarponiAndrea GrazianiFrancesco Canestrari

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Exploring the synergy of textiles, fibers and high-performance inorganic matrices on the mechanical performance of TRC composites

Lidor YosefRoei BitonYiska Goldfeld

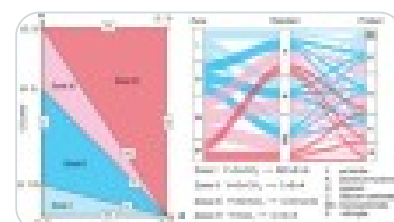
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Modeling and experimental validation of carbonation mechanism of ye'elimite-gypsum-water system

Yangyang ZhangQunli ZhangQingxin Zhao

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Machine learning in concrete durability: challenges and pathways identified by RILEM TC 315-DCS towards enhanced predictive models



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Hardened properties of 3D printable mortars with full replacement of natural sand by recycled sand

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Enhancing microstructural properties and chloride resistance of seawater-mixed steel fiber-reinforced mortars through glass powder modification

Xiaowen ZhangJian-Xin LuChi Sun Poon

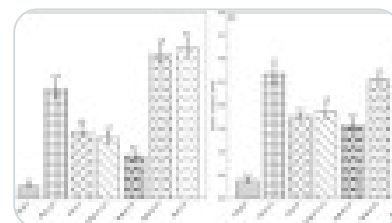
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Metakaolin-based geopolymer matrix formulations for higher strength and thermal stability

Ruy A. Sa RibeiroMarilene G. Sa RibeiroWaltraud M. Kriven

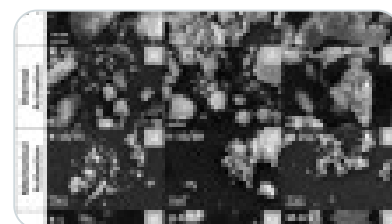
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Unlocking clay's potential: a comparative analysis of activation techniques for enhanced reactivity in SCMs

Isabel Pol SeguraPeter A. JensenWilson R. Leal da Silva

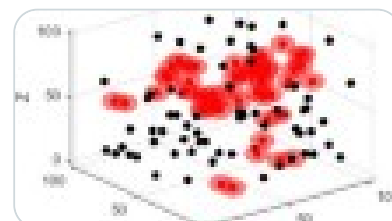
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Simulation of colloidal aggregate structure in asphalt using dissipative particle dynamics

Dong TangYongli ZhaoNaitian Zhang

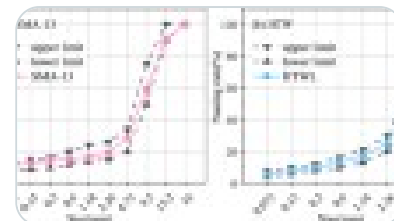
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Research on the range of texture parameters and design indicators of aggregates morphology in the wearing layer

Xiyin LiuTianxiang BuHong Lin

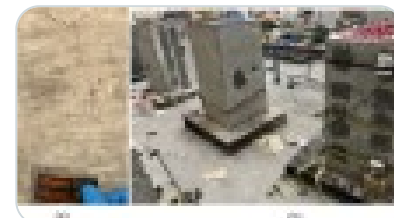
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Detection of alkali-silica reaction within large-scale concrete by ultrasound non-collinear wave mixing

Devin KumarJin-Yeon KimLaurence J. Jacobs

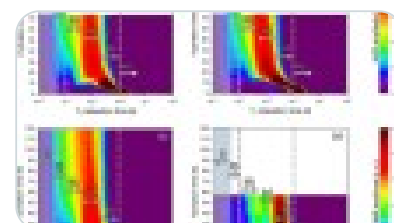
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Investigation of the hydration of clinker-reduced cementitious binders by ^1H NMR relaxometry

Sarah MunschWolfram SchmidtSabine Kruschwitz

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Effect of monopotassium phosphate fineness on properties and micro-characteristics of magnesium potassium phosphate cements

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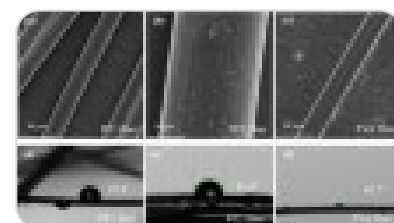
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Effects of single and hybrid fiber incorporation on the toughness, mechanical properties and microstructure of fiber-reinforced mortar

Xuesong ZhangYanrong ZhangBaoyuan Yang

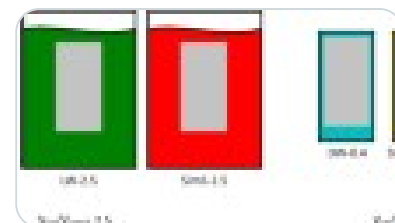
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Comparison of curing methods for bulk electrical conductivity testing of cement pastes

Thomas BernardWilliam Wilson

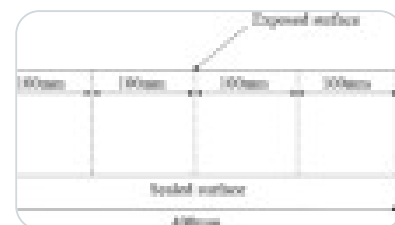
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Efficient carbon sequestration of seawater sea-sand recycled aggregate concrete: an experimental study

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Effect of simulated weathering conditions on the NO_x and SO_x removal rates of permeable concrete blocks with porous materials

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Characterization of concrete tension modulus, softening, and stiffening using distributed sensing

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Original Article | 28 April 2025 | Article: 131



Influence of crack width on carbonation depths in functionally layered concrete

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Modelling the ultimate shear behaviour of UHPFRC deep beams

Eissa FathallaYasas LamawansaBoyan Mihaylov

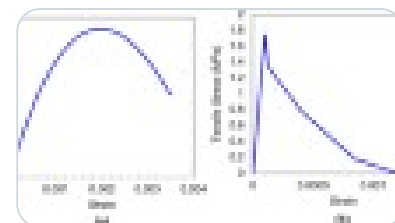
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Seismic performance of confined brick masonry structure for multistory buildings: a comparative study

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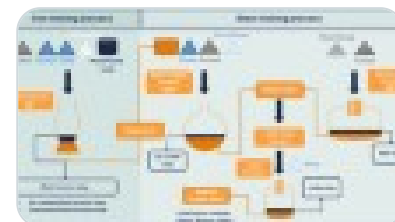
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Direct aqueous carbonation of electric arc furnace slag: process optimisation through experimental design

Francesca BonfanteGiuseppe FerraraPaola Palmero

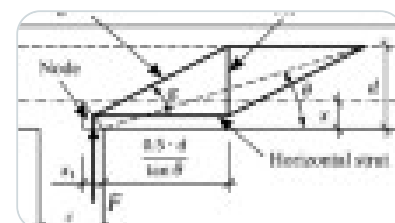
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New method for prediction of punching resistance of flat slabs with shear reinforcement and its comparison with recently proposed code provisions

Lukáš LyčkaPetr Štěpánek

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Design method for aggregate gradation of porous asphalt mixture based on target air voids

Weidong CaoChuanyi MaZunhao Zhan

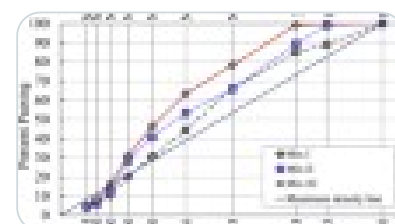
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Investigating the fatigue life of asphalt pavements under different aging levels using the three-point bending cylinder (3PBC) test and mechanistic-empirical analysis

Aksel Seitllari

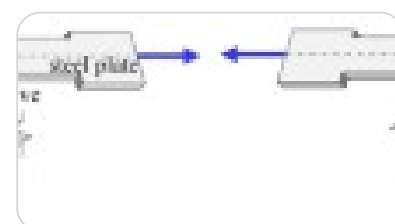
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Stress–strain behavior of CFRP-bond to steel in tension

Dinar Gumilang JatiMhd Rony AsshidiqieAy Lie Han

Original Article | 24 April 2025 | Article: 123



Seismic performance of UHPC precast double-column piers with socket connections

Jinliang LiuMingfei LiGuanhua Zhang

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Recommendation of RILEM TC 280-CBE: Standardised design and analysis of the multiphase composition of bitumen emulsion–cement composites

Miomir MiljkovićAndrea Graziani

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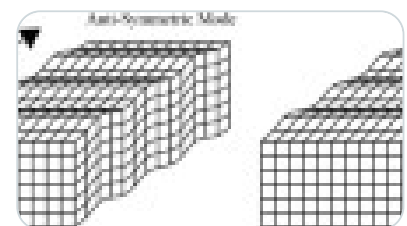
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Moisture content, temperature, and grain orientation in timber and their effects on the viscoelastic properties and the characteristics of ultrasonic-guided waves

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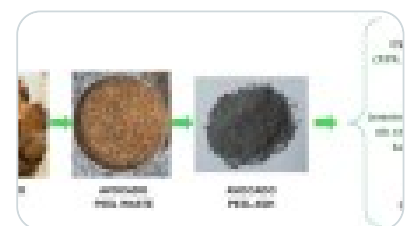
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Avocado peel ash as a supplementary cementitious material: study of a new binder

Maria Julia Xavier EstevesJosé Alexandre Tostes Linhares JúniorMarkssuel Teixeira Marvila

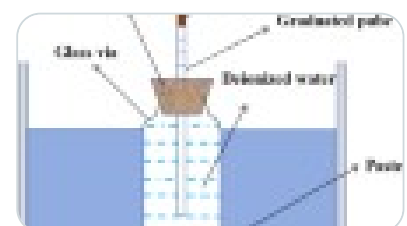
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Regulating the performance of NaOH-activated slag using vitamin B3, B6, and C as bio-admixtures: a comparison study

Zeren ChenPeiyuan ChenJialai Wang

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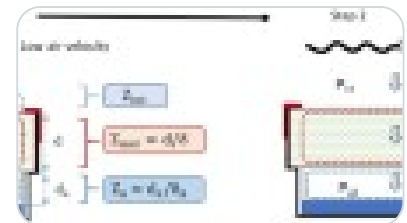
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Factors affecting the carbon footprint of reinforced concrete structures

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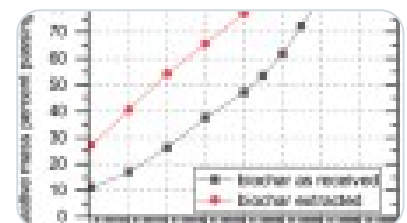
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Exploring the carbon sequestration of an asphalt base course mixture containing novel cold-bonded biochar-rich lightweight aggregates

Daniel GrosseggerMateusz WyrzykowskiPietro Lura

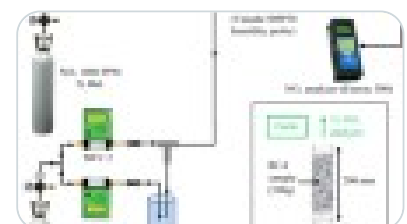
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Mechanistic evaluation of NO₂ sequestered recycled concrete aggregates as anodic corrosion inhibitors in chloride-exposed OPC concrete: insights from kinetics and performance assessment

Shubham MishraErandi AriyachandraAlexander Orlov

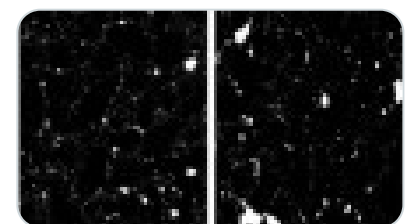
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Salt-scaling resistance of biomimetic PEG-PVA-modified concrete

Mohammad MatarAnastasia N. AdayWil V. Srubar III

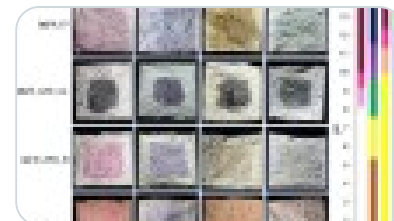
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Carbonation of alkali-activated materials: changes in mineralogical composition and pH, and qualitative estimation of corrosion risk

Laura Diaz CasellesBastien BalsamoMartin Cyr

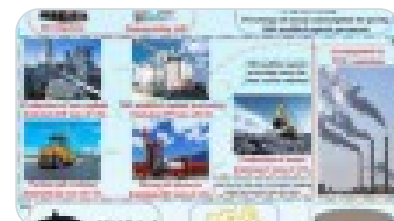
Original Article | 15 April 2025 | Article: 112



Achieving lower temperature modification and its mechanism of SBS modified asphalt based on pre-swelling/extraction process and compositing with C9 petroleum resin

Wei ChenShifa FanBo Dong

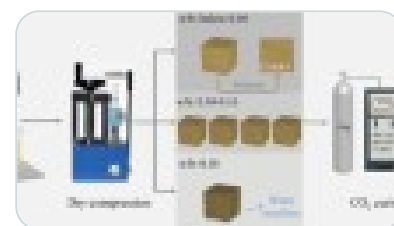
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Effect of water to binder ratio on carbonation behavior of a novel carbonatable belite-ternesite binder

Xiaoli WangMing-Zhi GuoTung-Chai Ling

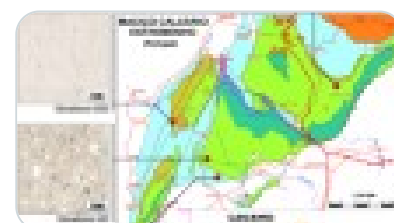
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Cladding thickness influence on flexural strength under concentrated load of limestones

João SenraAmélia DionísioGustavo Paneiro

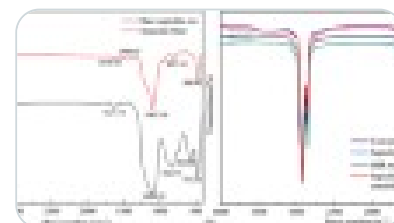
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Study on preparation and properties of sepiolite/SBR composite modified emulsified asphalt

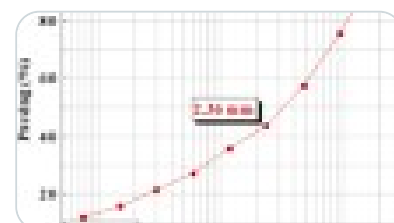
Gang HuangYaru LvTingjun Du

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Effects of temperature and strain rate on the damaging mechanism of asphalt concrete under uniaxial compression

Zheng SiYulong ZhangJian Song



Original Article | 14 April 2025 | Article: 107

Hydrothermal aging of polyester-based GFRP bars in alkaline environment

Luis Felipe Oliveira SantosNádia Cazarim da Silva FortiAna Elisabete Paganelli
Guimarães de Avila Jacintho

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Experimental and numerical creep assessment of fine sand concrete

Mohamed LadjelMohamed ChemroukFarid Bouziadi

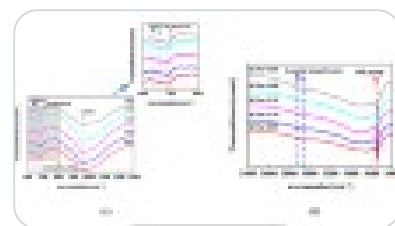
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Effect of K/Na on the alkali silica reaction of seawater and sea sand concrete

Qizhi ZhangQingnan GongDehui Wang

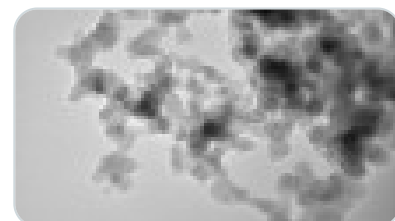
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Effect of nano silicon nitride on the microstructural characteristics and mechanical properties of ultra-high-performance steel fiber reinforced concrete

J. D. Ruiz MartínezJ. D. RíosC. Leiva

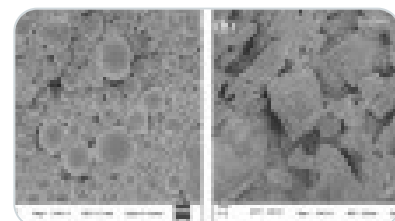
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Influence of aggressive agents on properties of geopolymer concrete and corrosion behavior of steel in geopolymer concrete pore solution

Leela Sai Rangarao MaradaniBulu Pradhan

Original Article | 11 April 2025 | Article: 102



Microstructural insights of geopolymer mortar containing cenosphere: effects on fresh properties and durability

Muhammad Usama SalimCarlos Moro

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