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- [175] B. Mobasher, H. Stang, and S. P. Shah, "Microcracking in fiber reinforced concrete," *Cem. Concr. Res.*, 1990.
- [176] K. Wille, S. El-Tawil, and A. E. Naaman, "Properties of strain hardening ultra high performance fiber reinforced concrete (UHP-FRC) under direct tensile loading," *Cem. Concr. Compos.*, 2014.
- [177] P. N. Hiremath and S. C. Yaragal, "Effect of different curing regimes and durations on early strength development of reactive powder concrete," *Constr. Build. Mater.*, vol. 154, no. July, pp. 72-87, 2017.
- [178] Y. S. Tai, H. H. Pan, and Y. N. Kung, "Mechanical properties of steel fiber reinforced reactive powder concrete following exposure to high temperature reaching 800 °c," *Nucl. Eng. Des.*, vol. 241, no. 7, pp. 2416-2424, 2011.
- [179] W. Zheng, H. Li, and Y. Wang, "Compressive behaviour of hybrid fiber-reinforced reactive powder concrete after high temperature," *Mater. Des.*, 2012.
- [180] S. Philippot, S. Masse, H. Zanni, P. Nieto, V. Maret, and M. Cheyrezy, "29Si NMR study of hydration and pozzolanic reactions in reactive powder concrete (RPC)," in *Magnetic Resonance Imaging*, 1996.
- [181] A. Cwirzen, "The effect of the heat-treatment regime on the properties of reactive powder concrete," *Adv. Cem. Res.*, 2007.
- [182] T. Chen, X. Gao, and M. Ren, "Effects of autoclave curing and fly ash on mechanical properties of high performance concrete," *Constr. Build. Mater.*, vol. 158, pp. 864-872, 2018.
- [183] S. L. Mak and K. J. Jirassakuldech, "Strength development of high strength concrete with and without silica fume under the influence of high hydration temperatures," *Cem. Concr. Res.*, 1998.
- [184] A. Kamen, E. Denarij, and S. W. J. Swiler, "Influence effects on physico-mechanical properties of ultra-high-performance fiber-reinforced concrete," *ACI Mater. J.*, 2007.
- [185] K. M. Ng, C. M. Tam, and V. W. Y. Tam, "Studying the production process and mechanical properties of reactive powder concrete: a Hong Kong study," *Mag. Concr. Res.*, 2010.
- [186] S. Abbas, A. M. Soliman, and M. L. Nehdi, "Exploring mechanical and durability properties of ultra-high performance concrete incorporating various steel fiber lengths and dosages," *Constr. Build. Mater.*, 2015.
- [187] C. Tam and V. W. Tam, "Microstructural behaviour of reactive powder concrete under different heating regimes," *Mag. Concr. Res.*, 2012.
- [188] M. Ipek, K. Yilmaz, M. Sümer, and M. Saribiyik, "Effect of pre-setting pressure applied to mechanical behaviours of reactive powder concrete during setting phase," *Constr. Build. Mater.*, vol. 25, no. 1, pp. 61-68, 2011.
- [189] D. Mostofinejad, M. R. Nikoo, and S. A. Hosseini, "Determination of optimized mix design and curing conditions of reactive powder concrete (RPC)," *Constr. Build. Mater.*, vol. 123, pp. 754-767, 2016.
- [190] M. Helmi, M. R. Hall, L. A. Stevens, and S. P. Rigby, "Effects of high-pressure/temperature curing on reactive powder concrete microstructure formation," *Constr. Build. Mater.*, vol. 105, pp. 554-562, 2016.
- [191] J. Dugat, N. Roux, and G. Bernier, "Mechanical properties of reactive powder concretes," *Mater. Struct.*, 1996.
- [192] C. Lehmann, P. Fontana, and U. Müller, "Evolution of Phases and Micro Structure in Hydrothermally Cured Ultra-High Performance Concrete (UHPC)," *Nanotechnol. Constr.* 3 - Proc. NICOM3 , 2009.
- [193] W. Kurdowski, *Cement and concrete chemistry*. 2014.
- [194] H. Taylor, "Cement chemistry," *Acad. Press*, 1990.
- [195] C. M. Aldea, F. Young, K. Wang, and S. P. Shah, "Effects of curing conditions on properties of concrete using slag replacement," *Cem. Concr. Res.*, 2000.
- [196] J. P. Bhusari and K. S. Gumaste, "Characterization of Reactive Powder Concrete for its mechanical properties," *Int. J. Civ. Eng. Technol.*, vol. 8, no. 5, 2017.
- [197] S. Pradhan, S. Kumar, and S. V. Barai, "Recycled aggregate concrete: Particle Packing Method (PPM) of mix design approach," *Constr. Build. Mater.*, vol. 152, pp. 269-284, 2017.
- [198] Y. Ruan et al., "Mechanical behaviors of nano-zirconia reinforced reactive powder concrete under compression and flexure," *Constr. Build. Mater.*, vol. 162, pp. 663-673, 2018.
- [199] P. Hiremath and S. C. Yaragal, "Investigation on Mechanical Properties of Reactive Powder Concrete under Different Curing Regimes," *Mater. Today Proc.*, vol. 4, no. 9, pp. 9758-9762, 2017.
- [200] W. Wang, S. J. Chen, F. Basquiroto De Souza, B. Wu, and W. H. Duan, "Exfoliation and dispersion of boron nitride nanosheets to enhance ordinary Portland cement paste," *Nanoscale*, 2018.
- [201] A. Tafaoui, G. Escadeillas, S. Lebailli, and T. Vidal, "Effect of silica fume on the formulation of UHPC," *Constr. Build. Mater.*, 2009.
- [202] M. A. Cararone, *High Strength Concrete A practical guide*. 2018.
- [203] P. S. Anand, S. Ravisankar, C. Umarani, J. K. Dattatreya, and N. P. Iyer, "Development of ultra-high-performance polymer concrete," *Mag. Concr. Res.*, 2014.
- [204] W. Zheng, B. Luo, and Y. Wang, "Compressive and tensile properties of reactive powder concrete with steel fibres at elevated temperatures," *Constr. Build. Mater.*, 2013.
- [205] K. P. Tian et al., "Effects of Silica Fume Addition on the Spalling Phenomena of Reactive Powder Concrete," *Appl. Mech. Mater.*, 2012.
- [206] G. F. Peng, Y. R. Kang, Y. Z. Huang, X. P. Liu, and Q. Chen, "Experimental research on fire resistance of reactive powder concrete," *Adv. Mater. Sci. Eng.*, 2012.
- [207] H. S. So, J. B. Yi, J. Khulgadai, and S. Y. So, "Properties of strength and pore structure of reactive powder concrete exposed to high temperature," *ACI Mater. J.*, 2014.
- [208] A. M. U. T. Kannangara, "The Behaviour of Reactive Powder Geopolymer Concrete at Elevated Temperature," *Victoria University*, 2018.
- [209] S. Singh, R. Nagar, V. Agrawal, A. Rana, and A. Tiwari, "Sustainable utilization of granite cutting waste in high strength concrete," *J. Clean. Prod.*, 2016.