
7 REFERENCES

- [1] R. U. K. Piyadasa, "River sand mining and associated environmental problems in Sri Lanka," in *Sediment Problems and Sediment Management in Asian River Basins*, Hyderabad, 2011.
- [2] The University of Memphis, *Curing Concrete*, Memphis: The University of Memphis, 2012.
- [3] W. J. Weiss, Dale P. Bentz, "Internal Curing: A 2010 State-of-the-Art Review," National Institute of Standards and Technology, Gaithersburg, 2011.
- [4] A. M. Neville, "Properties of Concrete," John Wiley & Sons, 1996.
- [5] N. J. Carino, K. W. Meeks, "Curing of high-performance concrete: Report of the state-of-the-art," National Institute of Standards and Technology, Gaithersburg, 1999.
- [6] M. Geiker, O. M. Jensen, D. P. Bentz, "On the Mitigation of Early Age Cracking," in *International Seminar on Self Desiccation III*, Lund, Sweden, June 2002.
- [7] E. Mack, J. Clearly, N. Delatte, "Evaluation of High Absorptive Materials to Improve Internal Curing of Low Permeability Concrete," FHWA/OH-2007/06, State Job Number 134227, Ohio, March 2007.
- [8] D. Reeves, T. Friggle, "Internal Curing of Concrete Paving Laboratory and Field Experiences," American Concrete Institute, 2008.
- [9] R. Henkensiefken, J. Castro, K. Roufi, J. Weiss, T. Nantung, J. Schlitter, "Development of Internally Cured Concrete for Increased Service Life," in *FHWA/IN/JTRP-2010/10, Joint Transportation Research Program, Indiana Department of Transportation and Purdue University*, West Lafayette, Indiana, 2010.
- [10] C. Ozyildirim, "Laboratory Investigation of Lightweight Concrete Properties," Final Report VCTIR 11-R17, 2011.
- [11] J. A. Humbell, P. Drumheller, "Densely crosslinked polymer networks of PEG in trimethylolpropane trisacrylate for cell adhesion-resistant surfaces," *Biomedical Material Research*, vol. 29, pp. 201-205, 1995.
- [12] P. F. Hensen, O. M. Jensen, "Water entrained cement based materials-II, Implementation and experimental results," *Cement and Concrete Research*, vol. 6, pp. 973-978, 2002.
- [13] H. W. Reinhardt, S. Weber, "A new generation of high performance concrete: Concrete with autogenous curing," *Advanced Cement Based Materials*, vol. 6, pp. 59-68, 1997.
- [14] L. Keiser, M. Golios, J. Weiss, J. Castro, "Absorption and desorption properties of fine lightweight aggregate for application to internally cured concrete mixtures," *Cement & Concrete Composites*, vol. 33, pp. 1001-1008, 2011.
- [15] J. Schlitter, D. Bentz, J. Weiss, K. Raoufi, "Parametric Assessment of Stress development and cracking in Internally-cured Restrained Mortars Experiencing Autogenous deformations and Thermal loading," *Cement and Concrete Composites*, vol. 22, pp. 199-205, 2001.
- [16] M. Darter, C. Rao, "Evaluation of internally cured concrete for paving applications," in *Applied Research Associates*, Champaign, 2013.

-
- [17] P. Briatka, T. Nantung, J. Weiss, R. Henkensiefken, "Plastic Shrinkage Cracking in Internally Cured Mixtures made with pre-wetted light weight aggregate," *Concrete International*, vol. 32(2), pp. 49-54, 2010.
- [18] S. Y. Hong, K. Y. Show, J. H. Tay, "Reuse of Industrial sludge as Pelletized Aggregate for concrete use," *Journal of Environmental Engineering*, vol. 126, pp. 279-287, March-2000.
- [19] C. L. Hwang, M. F. Hung, "Study of fine sediments for making lightweight aggregate," *Waste Management & Research*, vol. 25, pp. 449-456, 2007.
- [20] B. Standard, *Methods of test for Soils for civil engineering purposes, Part 2; Classification tests*, Giorgio Cavalieri, 1990.
- [21] Selene M. A, Guelli U, Joze. A. B, Velle. A. A, U. Souza, Addressa R., V. Mendonca, "Thermogravimetric analysis and kinetic study of pyrolysis and combustion of residual textile sludge," Hungary, 2015.
- [22] C. E. Hori, M. H. M. Reis, N. D. Mora, C. R. G. Tavers, R. B. Luciana, C. S. Herek, "Characterization of ceramic bricks incorporated with Textile laundry sludge," *Ceramics International*, vol. 38, pp. 951-959, 2012.
- [23] A. International, *Standard Specification for Lightweight Aggregate for Internal Curing of Concrete*, 2017.
- [24] B. Standard, *Testing Concrete - Part 02; Method for determination of slump*, 1983.
- [25] B. Standard, *Testing Concrete - Part 108; Method for making test cubes from fresh concrete*, 1983.
- [26] B. Standard, *Testing concrete - Part 116; Method for determination of compressive strength of concrete cubes*, 1983.
- [27] A. Standard, *Standard test method for Length Change of Hardened Hydraulic- Cement Mortar and Concrete*, 2003.
- [28] J. Alexandre, J. I. Margem, R. Sanchez, C. M. F. Vieira, S. N. Monteiro, "Incorporation of sludge waste from water treatment plant in to red ceramic," *Construction and Building Materials*, vol. 22, pp. 1281-1287, 2008.
- [29] A. Idris, A. A. Samad, C. H. K. Wong, M. S. Jaafar, M. B. Amuniddin, A. G. Liew, "Incorporation of sewage sludge in clay bricks and its characterization," *Waste Management Research Forum*, vol. 22, pp. 226-233, 2004.
- [30] R. Surauskiene, V. Kizinievic. R. Zurauskas, O. Kizinievic, "Utilization of sludge waste from water treatment for ceramic products," *Construction and Building Materials*, vol. 41, pp. 464-473, 2013.
- [31] E. M. J. Clearly, N. Delatte, "Evaluation of High Absorptive Materials to Improve Internal Curing of Low permeability Concrete," FHWA/OH-2007/06, State Job Number 134227, Ohio, March 2007
- [32] L. Domagala, "The effect of lightweight aggregate water absorption on the reduction of water-cement ratio in fresh concrete", MATBUD'2015, *Procedia Engineering*, pp. 206-213, 2015.
- [33] G.R. de Sensale, A.F. Goncalves, "Effects of fine LWA and SAP as internal water curing agents", *International Journal of Concrete structures and materials*, Vol 8, No 3, pp. 229-238, 2014.