World Academy of Science, Engineering and Technology International Journal of Civil and Architectural Engineering Vol:18, No:08, 2024

Water Temperature on Early Age Concrete Property

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Abstract : The long-term performance of concrete structures is affected by the properties and behavior of concrete at an early age. However, the fundamental mechanisms affecting the early-age behavior of concrete have not yet been fully studied. The effect of water temperature on concrete is not sufficiently studied, and at the same time, the majority of studies focused on the effect of mixing water temperature on the workability and mechanical properties of concrete. However, to the best of the authors' knowledge, the effect of mixing water temperatures on plastic shrinkage cracking of concrete has not been studied vet

Keywords: water temperature, early age concrete strength, mechanical properties of concrete, strength **Conference Title:** ICACE 2024: International Conference on Architectural and Civil Engineering

Conference Location : New York, United States

Conference Dates: August 08-09, 2024