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Strength & Mechanical property

座長: 國枝稔(土木), 金志訓(建築)

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[1048] ASSESSMENT OF THE EFFECTS OF RUBBER PARTICLES ON COMPRESSIVE STRENGTH AND RHEOLOGICAL PROPERTIES OF CONCRETE

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Keywords: rubberized lightweight aggregate concrete, compressive strength, rheological properties

This study investigated the key factors influencing the compressive strength of rubberized lightweight aggregate concrete (RuC). Findings reveal that the rubber replacement rate has a more pronounced impact on compressive strength than the size of the rubber particles. Additionally, this study examines the effects of rubber particle size and dosage on the rheological properties of freshly cast RuC, highlighting the adverse effects of rubber particles compared with typical aggregates.