
第46回コンクリート工学講演会 | A. 材料・施工 | リサイクル

リサイクル

座長:鈴木浩明(土木),犬飼利嗣(建築)

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[1263]Mechanical properties and ASR expansion of high strength mortar mixed with recycled glass fine aggregate

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This paper presents the influence of supplementary cementitious materials (SCMs) ie Fly ash (FA), silica fume (SF), and ground granulated blast furnace slag (GGBS) and waste glass fine aggregate (GS) on Mechanical properties and alkali silica rea) in high-strength mortar. The inclusion of reactive SF and GGBS improved the mechanical properties and ASR expansion of high-strength GS mortar. In particular, when SF is incorporated into high-strength GS mortar, ASR expansion and residual mechanical properties reduction of the mortar are significantly improved.