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TÍTULO ARTÍCULO (En Inglés)	FATIGUE LIMIT OF RECYCLED AGGREGATE CONCRETE		
TÍTULO ARTÍCULO (En Español)	LÍMITE DE FATIGA DE HORMIGÓN DE ÁRIDOS RECICLADOS		
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ABSTRACT (En inglés)

This paper presents the main results of the research carried out to obtain the fatigue limit of concrete incorporating recycled aggregate from concrete. In this research, recycled aggregate concretes with partial and total coarse aggregate replacement and control concretes with different increasing water/cement ratios have been cast to study the material's behavior in response to repeated compressive loads. The results show that, for the same water/cement ratio, the recycled aggregate concretes present a loss of stiffness higher than the control concrete. Furthermore, the use of recycled aggregate in concrete implies a reduction of the fatigue life. These differences are increased for low water/cement ratios, as in this case the main factor is the lower strength capacity of the aggregate. From the results obtained, recomendable mixtures for recycled aggregates exposed to fatigue loads are proposed.

Keywords (En inglés)

Waste management; Mechanical properties; Fatigue; Cycles

RESUMEN (En español)***Palabras clave (Español)***

* Caso de estar publicado en revista de lengua española.