

Self-healing Materials

Bacteria-based self-healing concrete

H.M. Jonkers

Encapsulated self-healing agent in blast furnace slag mortar

K. Sisomphon, O. Copuroglu, A. Fraaij

Crack repair of asphalt concrete with induction energy

A. García, E. Schlangen, M. van de Ven, D. van Vliet

Self-healing capacity of asphaltic mixtures

N. Kringos, A. Schmets, A. Scarpas, T. Pauli

Self-healing of lime based mortars

B. Lubelli, T.G. Nijland, R.P.J. van Hees

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This paper presents the results of microscopy observations on case studies of self-healing of lime based mortars.

Introduction

Crack formation in concrete is a phenomenon that can hardly be completely avoided due to, for example, shrinkage associated with concrete and thermal stresses occurring in set structures. While larger cracks may potentially threaten structural integrity and therefore