

Moisture Behavior in Concrete Repaired by Patching Observed with Neutron Imaging

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The cross sectional repair of concrete structures is carried out for the purpose of restoring or improving durability. However, some re-deterioration such as corrosion of reinforcing bar, floating of repair materials, peeling is observed. Such re-deterioration is considered to be due to deterioration factors such as water that has permeated the repair area. In this paper, we report the result of non-destructive visualization of the moisture behavior of the repair area using a neutron beam tester.