

Technology to Extend the Service Life of Concrete Infrastructure Structures in Thailand

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Keywords: Concrete Infrastructure Structures, corrosion of the concrete

Deterioration and damage of concrete structures are caused by corrosion of the concrete itself and reinforcing bars. To prevent these deteriorations, materials that prevent the penetration of deterioration factors and suppressing corrosion current are effective. In this lecture, I introduce the following technologies that are actually being studied in Thailand.

Technology Introduction (may change)

1. Technology to suppress macrocell corrosion by using epoxy resin joint adhesion at the time of section repair.
2. Technology to inhibit water penetration by applying a water-repellent silane surface impregnant to the concrete surface.
3. Section repair technology with excellent impact resistance by rapid-curing resin mortar