

## **Mechanism of Corrosion of Reinforcement in the Vicinity of the Patch Repair Area of Concrete**

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There is a patch repair method as one countermeasure for deterioration of concrete structure. Recently, reinforcement has corroded early around this patch repair area. So investigation about the situations of concrete structure was executed in order to establish a countermeasure for this deterioration. Further, we prepared a test piece to imitate concrete structure having separate reinforcement and based on measurement of electric current between separate reinforcement, mechanism of corrosion of reinforcement in the vicinity of patch repairs was grasped by electro-chemical method. We have also proposed a guide for efficient execution of patch repairs.