Committee Report: JCI-TC123A
Technical Committee on Traceability System of Concrete

委員会報告：JCI-TC123A
コンクリートのトレーサビリティ確保技術に関する研究委員会

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Abstract
The Committee implemented research activities related to technology for ensuring concrete traceability in concrete production and the casting process for two years from FY2012 to FY2013. In order to ensure traceability, it is crucial to mark each concrete unit with an identification symbol, and record/manage the historical data in accordance with the symbol. Thus, the Technical Committee evaluated the modalities for technology for ensuring concrete traceability by implementing the following activities: 1) research and organizing of current technologies related to the ensuring of traceability in the fields of construction and civil engineering, 2) evaluation of technology to mark each concrete unit with an identification symbol, 3) organizing of concrete production and casting process historical data which should be recorded and managed, and 4) research activities on four agendas for traceability system trial experiments.

1. Introduction
Traceability is described as “the ability to prove the safety and related information of a product by clarifying its production and distribution history.” While engagements for traceability are being actively implemented in the fields of electronics, automobiles, food, etc., there is an increasing demand for ensuring traceability for the production and casting process of concrete as well. Concrete is shipped from fresh concrete production plants in a state of a semi-finished product before hardening, and is delivered.....

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