

Title (en)

CONNECTION METHOD BETWEEN STEEL-PLATE CONCRETE STRUCTURE AND DIFFERENT STRUCTURE

Title (de)

VERBINDUNGSVERFAHREN ZWISCHEN EINER STAHLPLATTENBETONSTRUKTUR UND EINER ANDEREN STRUKTUR

Title (fr)

PROCEDE DE LIAISON ENTRE STRUCTURE EN BETON A TOLE D'ACIER ET STRUCTURE DIFFERENTE

Publication

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Application

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- KR 2010006555 W 20100927

Abstract (en)

The present invention relates to a connection method between a steel-plate concrete structure and a different structure in which stress reduction on a connection surface between the steel-plate concrete structure (SC) and the different structure is prevented when the steel-plate concrete structure and the different structure are connected to each other, and a load is continuously and uniformly transmitted into a wall structure to improve connection performance between the steel-plate concrete structure and the different structure. To this end, the connection method between a steel-plate concrete structure, in which concrete is filled between steel plates facing and spaced apart from each other, and a different concrete structure, in which concrete is constructed on an iron reinforcing bar or an iron-frame reinforcing bar, includes: disposing a mold around a space in which concrete is constructed to form the different concrete structure to dispose iron reinforcing bars or iron-frame reinforcing bars inside the mold so that the iron reinforcing bars or the iron-frame reinforcing bars are vertically and horizontally cross-coupled to each other; disposing a steel plate to be connected on a portion of an inner surface of the mold in a direction in which the steel-plate concrete structure and the steel plate for connection are connected to each other; constructing concrete into an inner space of the mold to form a different concrete structure; coupling a steel plate for the steel-plate concrete structure to the steel plate for connection; and constructing concrete inside the steel plate for the steel-plate concrete structure to integrally connect the steel-plate concrete structure to the different concrete structure.

IPC 8 full level

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Cited by

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