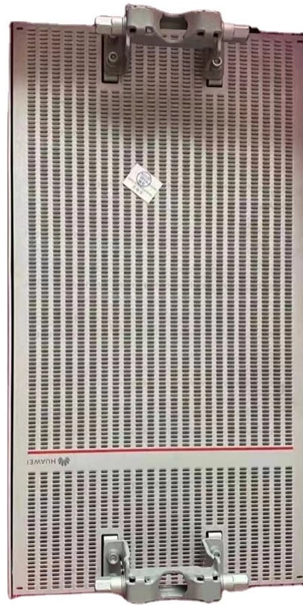


Function of Cold Joint Sub-interface



Function of Cold Joint Sub-interface



This analytical method is mostly suitable for determining the behaviour of the interface between the layers of normal concrete with a smooth interface surface with and without transverse ...



By analysing the results of different experimental push-off tests, presented in the literature, a novel analytical method was developed for the previously described concrete interface....



The study aims to measure the reduction in compressive and flexural strength of concrete specimens containing cold joints, evaluate the effect of cold joint orientation (vertical, horizontal, or ...



FREQUENTLY ASKED QUESTIONS ON COLD JOINTS
 Question: Difference between a contraction joint, isolation joint, expansion joint, construction joint, an...
 Question: When should saw ...



When the junction is in compression, cold joint concrete usually does not cause any structural issues. When evaluating a cold joint, however, the position of the cold joint, the structural ...



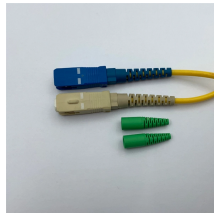
This study examines the impact of cold joints on the strength and stiffness of reinforced concrete beam-column connections through experimental testing on two specimens, one monolithically poured and ...



The cold joint behavior and the proposed model are highly sensitive to the amplitude of interface roughness, which affects the frictional coefficient and, therefore, the maximum shear ...



A cold joint, being a plane of lower density, higher permeability, and reduced bond, provides a pathway for heat and corrosive gases to penetrate the concrete cover more quickly, ...



A cold joint is the main problem in concrete construction, especially in large quantities such as mass concrete. The capacity of mixing plan and manpower make monolith casting is impossible.



A concrete cold joint is a weak interface within structures, and is prone to shear failure. Additionally, as potential pathways for external corrosive ions, cold joints experience interface ...

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