
The Influence of Different Vertical Construction Joint Methods on Mechanical Performance

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In order to clarify the influence of different vertical construction joints, created by different techniques such as chipping, retarder, using sheet with projections or wavy plywood form, direct tension and shear strength of various vertical construction joint methods were examined.

As direct tension strength of chipping, using sheet with projections or wavy plywood form, was better than the strength of concrete without the use of construction joint, these methods are effective for improving mechanical performance. Furthermore, shear strength denote the same tendency of direct tension. That is to say, in this case, these vertical construction joint methods are effective for ensuring better mechanical quality.