

2. Grouting Tests of Precast Reinforced Concrete Beam-Column Joint

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In order to investigate the groutability of precast reinforced concrete beam-column joints, element grouting tests on plate specimens simulating a joint with a lower-story column and grouting tests on full-scale specimens modeling a full-scale beam-column joint were conducted. In the element grouting tests, J14 funnel time was 8 seconds or more, and the joint filling ratio of the grout was 96% or more. The grouting tests showed that although groutability varies, joints and main reinforcement through-holes can be grouted satisfactorily.

Key words : beam-column joint, precast reinforced concrete, grout, through-hole