
A study of quality improvement and labor saving of floor concrete construction

Rei YOSHINO, Yoshiyuki SUZUKI

In the construction of floor concrete in a logistics warehouse, since each timing of the construction process is determined by a skilled worker, construction management and quality control are difficult, and labor shortage is a problem. In this report, interviews were conducted at the construction site to obtain basic knowledge about the floor concrete construction and small test specimens, and floor mock-ups were made and examined to investigate the causes of failure. As a result, it was confirmed that the post-finishing curing is more important for the quality of the indoor construction using hand trowels in the interim period than for the finishing process, and that the risk of failure can be reduced by using the riding trowel for only a part of the construction.
