

## 15. Study on Floor Impact Sound Estimation Method -Outline and Experimental Result of Full Size Test Floor-

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It is hard to get data concerning to large floor's impact sound cutoff performance . But the data is important to improve prediction accuracy . In this paper, outline and the measurement result of full size test floor which was made to examine floor impact sound estimation method, are shown.

- 1) The creep displacement of the test floor is about 3mm . The value is almost equivalent to the prediction result by FEM has been obtained.
- 2) The first natural frequency of test floor is about 15Hz, and it is almost correspondent to the first natural frequency of the span direction.
- 3) The slab level difference has the constraint of about 2/3 of dailiang, and it is possible to use it's floor impact sound constraint performance as a restraint edge.

**Key word** : large floor's, floor impact sound, impedance