

# Test Summary

## Box Test

### Test

AASHTO PP-84 Appendix X3

### Objective

Assess the response of concrete mix to vibration and its ability to hold its shape without crumbling

### Time to Complete Test

10 minutes

### Equipment

- Two wooden L forms are put together to form a box of 12 in. × 12 in. × 12 in. and placed on a wooden platform.
- Clamps or straps are used to hold (tighten) the box together.
- A vibrator is used to consolidate the concrete.

### Overview of Test Procedure

1. Concrete is hand scooped and uniformly distributed into the box.
2. A vibrator is inserted into the middle of the concrete for 3 seconds going in and 3 seconds coming out.
3. The clamps are then removed from the side of the box and the L forms are removed as well.
4. The surface voids in each four sides are inspected and visually ranked using a chart. Then the slump is measured using a straightedge and a tape measure.

### For More Information

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