

IN-HOUSE PROCEDURE # _____

PROCEDURE FOR VERIFYING SLUMP CONE

Item:

Slump Cone

Purpose:

This method provides instructions for checking the critical dimensions and general condition of a slump cone.

Inspection Equipment Required:

1. Ruler readable to at least 1/16 inch (1 mm) or better
2. Caliper readable to at least 0.001 in. (0.01mm) or better
3. Straightedge at least 12 in. (300 mm) in length

Tolerance:

Equipment shall meet the dimensional tolerances specified in the applicable test method.

Procedure:

1. Measure the inside diameter of the top of the cone to the nearest 1/16 in. (1 mm) using the ruler by taking two measurements 90° apart.
2. Measure the inside diameter of the bottom of the cone to the nearest 1/16 in. (1 mm) using the ruler by taking two measurements 90° apart.
3. Measure the height of the cone to the nearest 1/16 in. (1 mm) using the ruler by placing the cone on a hard, smooth surface. Place the straight-edge on the top of the cone and measure the height from the surface to the bottom of the straight-edge. Take two measurements 90° apart.
4. Verify the mold thickness by taking two measurements 180 ° apart at $1 \pm 1/2$ in. (25 ± 10 mm) from the top of the mold. Repeat the two measurements at the bottom of the mold. Average the 4 measurements.
5. Inspect the general condition of the mold. Mold shall be free of deformation. Mold interior should be smooth (seamless, free of dents or adhered concrete). Clean or replace molds not conforming.