



DSA Structural Amendments under review are highlighted in GRAY

Template 19-56

**2001 CBC - Chapter 19A
CONCRETE**

Section - 1924A - SHOTCRETE

Subsection(s) - 1924A.10

1 **1924A.10 Strength Test.** *Strength test for shotcrete shall be*
2 *made in accordance with ASTM standards by an approved agency*
3 *on specimens which are representative of work and which have*
4 *been water soaked for at least 24 hours prior to testing. When the*
5 *maximum size aggregate is larger than 3/8 inch (9.5 mm), speci-*
6 *mens shall consist of not less than three 3-inch-diameter (76 mm)*
7 *cores or 3-inch (76 mm) cubes. When the maximum size aggregate*
8 *is 3/8 inch (9.5 mm) or smaller, specimens shall consist of not less*
9 *than three 2-inch-diameter (51 mm) cores or 2-inch (51 mm)*
10 *cubes. Specimens shall be taken in accordance with one of the fol-*
11 *lowing:*

12 *1. From the in-place work: taken at least once each shift or less*
13 *than one for each 50 cubic yards (38.2 m³) of shotcrete; or*
14

15 *2. From test panels: made not less than once each shift or not*
16 *less than one for each 50 cubic yards (38.2 m³) of shotcrete placed.*
17 *When the maximum size aggregate is larger than 3/8 inch (9.5*
18 *mm), the test panels shall have a minimum dimension of 18 inches*
19 *by 18 inches (457mm by 457 mm). When the maximum size aggre-*
20 *gate is 3/8 inch (9.5 mm) or smaller, the test panels shall have a*
21 *minimum dimension of 12 inches by 12 inches (305 mm by 305*
22 *mm). Panels shall be gunned in the same position as the work, dur-*
23 *ing the course of the work and by nozzle persons doing the work.*
24 *The condition under which the panels are cured shall be the same*
25 *as the work. Approval from the enforcement agency must be ob-*
26 *tained prior to performing the test panel method.*
27

28 *The average of three cores from a single panel shall be equal to*
29 *or exceed 0.85 f'_c with no single core less than 0.75 f'_c. The aver-*
30 *age of three cubes taken from a single panel must equal or exceed*
31 *f'_c with no individual cube less than 0.88 f'_c. To check testing ac-*
32 *curacy, locations represented by erratic core strengths may be*
33 *retested.*