



DSA Structural Amendments under review are highlighted in GRAY

Template 21-07

2001 CBC - Chapter 21A
MASONRY

Section - 2103A - MORTAR AND GROUT

Subsection(s) - 2103A.4

1 **2103A.4 Grout.**

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3 **2103A.4.1 General.** Grout shall consist of a mixture of cementi-
4 tious materials and aggregate to which water has been added such
5 that the mixture will flow without segregation of the constituents.
6 The specified compressive strength of grout, f'_g , shall not be less
7 than 2,000 psi (13.8 MPa).

8
9 **2103A.4.2 Selecting proportions.** Water content shall be
10 adjusted to provide properworkability and to enable proper place-
11 ment under existing field conditions, without segregation. *The*
12 *water content expressed on a saturated surface-dry basis shall not*
13 *exceed 0.7 times the weight (mass) of cement.* Grout shall be *pro-*
14 *portioned by either weight or volume as* specified by one of the
15 following methods:

16
17 1. Proportions of ingredients and any additives shall be based
18 on laboratory or field experience with the grout ingredients and
19 the masonry units to be used. The grout shall be specified by the
20 proportion of its constituents in terms of parts by volume. *For*
21 *coarse grout, the coarse and fine aggregates shall be combined*
22 *such that the fine aggregate part is not greater than 80 percent of*
23 *the total aggregate weight (mass) and at least 90 percent shall*
24 *pass the 1/2 inch (12.7 mm) sieve. Coarse grout proportioned by*
25 *weight shall contain not less than 564 pounds of cementitious*
26 *material per cubic yard (335 kg/m³), or*

27
28 2. Minimum compressive strength which will produce the
29 required prism strength, or

30
31 3. *Fine coarse grout proportioned by volume* grout type shall
32 be used as given in *accordance with* Table 21A-B.

33 **2103A.4.3 Aggregate.** *Aggregate for grout shall conform to the*
34 *requirements set forth in ASTM C 404, Aggregates for Grout.*
35 *Coarse grout shall be used in grout spaces 2 inches (51 mm) or*
36 *more in width and in all filled-cell masonry construction.*

37
38 **NOTE:** *See exception to Section 2105A.3.1 for specified values in*
39 *excess of 1,500 psi (10.34 MPa).*