



DSA Structural Amendments under review are highlighted in GRAY

Template 19-59

2001 CBC - Chapter 19A
CONCRETE

Section - 1925A - REINFORCED GYPSUM

Subsection(s) - 1925A.5.1 - 1925A.5.7

1925A.5 Details of Construction.

1925A.5.1 Storage of materials. All materials shall be stored off the ground and shall be kept dry until used. Prolonged storage of gypsum material should be avoided, particularly in humid localities or during humid weather.

1925A.5.2 Water ratio. The water ratio shall not exceed 8.75 gallons (33.2 L) per 80 pounds (36.3 kg) of Class A [500 psi (10.3 MPa)] gypsum concrete and not more than 7.25 gallons (27.5 L) of water per 80 pounds (36.3 kg) of Class B [1,000 psi (6.9 MPa)] gypsum concrete.

1925A.5.3 Mixing gypsum concrete. Gypsum concrete shall be thoroughly mixed with water only in an amount not exceeding that specified in Section 1925A.5.2 added at the site. Proper devices for accurate measurement of water or consistency of mixture shall be used. The concrete shall not be mixed through its setting time. Mixing boxes, tools, mixers, hoses, etc., shall be kept clean and free from set material.

1925A.5.4 Depositing gypsum concrete. Care shall be taken in depositing gypsum concrete to ensure against impact on the form boards to a degree which would cause excessive deflection or cracking. Double pouring shall not be used. In all cases, pouring of gypsum concrete shall follow the installation of form boards as promptly as possible. No more form boards shall be laid in one day than will have gypsum concrete poured over them that day. Scream shall be placed as guides to screeding the gypsum concrete to the specified thicknesses. Immediately on pouring, the gypsum concrete shall be spread and screeded. The surface of gypsum concrete shall be left smooth.

33

34 **1925A.5.5 Weather conditions.** Gypsum concrete shall not be
35 mixed or poured during heavy rain, snow or hail, or when the tem-
36 perature will allow the concrete to freeze before it takes its chemi-
37 cal set.

38

39 **1925A.5.6 Metal reinforcement.** Steel wire and wire fabric used
40 for reinforcing shall be galvanized.

41

42 **1925A.5.7 Subpurlins.** Steel rolled sections used as subpurlins
43 shall conform to ASTM A 499 or UBC Standard 22-1.

44

45 Fabricated steel sections used as subpurlins shall be as specifi-
46 cally approved by the enforcement agency.

47

48 Subpurlins shall be galvanized or shop painted with one coat of
49 rust-inhibitive paint and shall be welded to supports.