

DIVISION 4  
**MASONRY SPECIFICATIONS**  
SECTION 04200

*For Free Product Information, Specifications and Toll Free Ordering:*

**1-800-662-3044**



## 1.08 PROJECT CONDITIONS

- A Protection of Work: During erection, cover top of walls with waterproof sheeting at end of each day's work. Cover partially completed structures when work is not in progress.
  - 1. Extend cover a minimum of 24" down both sides and hold cover securely in place.
- B Do not apply uniform floor or roof loading for at least 12 hours after building masonry walls or columns.
- C Staining: Prevent grout, mortar or soil from staining the face of masonry to be left exposed or painted. Remove grout or mortar in contact with such masonry immediately.
- D Do not apply concentrated loads for at least 3 days after building masonry walls or columns.
- E Protect base of walls from rain-splashed mud and/or mortar splatter by means of coverings spread on ground and over wall surfaces.
- F Protect sills, ledges and projections from droppings of mortar.
- G Cold Weather Protection:
  - 1. Do not lay masonry units that are wet or frozen.
  - 2. Remove any ice or snow formed on masonry bed by carefully applying heat until top surface is dry to the touch.
  - 3. Remove masonry damaged by freezing conditions.
  - 4. For clay masonry units with initial rates of absorption which require them to be wetted before laying, comply with the following:
    - a. For units with surface temperature above 32 Degrees F, wet with water heated to above 70 Degrees F.
    - b. For units with surface temperature below 32 Degrees F, wet with water heated to above 130 Degrees F.
- H Perform the following construction procedures while masonry work is progressing. Temperature ranges indicated below apply to air temperature existing at time of installation, except for grout:
  - 1. For Grout: Temperature ranges apply to anticipated minimum night temperatures. In heating mortar and grout materials, maintain mixing temperature selected within 10 Degrees F.
  - 2. 40 Degrees F to 32 Degrees F:
    - a. Mortar: Heat mixing water to produce mortar temperature between 40 Degrees F and 120 Degrees F.
    - b. Grout: Follow normal masonry procedures.
  - 3. 32 Degrees F to 25 Degrees F:
    - a. Mortar: Heat mixing water and sand to produce mortar temperatures between 40 Degrees F and 120 Degrees F. Maintain temperature of mortar on boards above freezing.

- b. Grout: Heat grout materials to 90 Degree F to produce in-place grout temperature of 70 Degree F at end of work day.
  4. 25 Degrees F to 20 Degrees F:
    - a. Mortar: Heat mixing water and sand to produce mortar temperatures between 40 Degrees F and 120 Degrees F. Maintain temperature of mortar on boards above freezing.
    - b. Grout: Heat grout materials to 90 Degrees F to produce in-place grout temperature of 70 Degrees F at end of work day.
    - c. Heat both sides of walls under construction using salamanders or other heat sources.
    - d. Use windbreaks or enclosures when wind is in excess of 15 mph.
  5. 20 Degrees F and Below:
    - a. Mortar: Heat mixing water and sand to produce mortar temperatures between 40 Degrees F and 120 Degrees F.
    - b. Grout: Heat grout materials to 90 Degrees F to produce in-place grout temperature of 70 Degrees F at end of work day.
    - c. Masonry Units: Heat masonry units so that they are above 20 Degrees F at time of laying.
    - d. Provide enclosure and auxiliary heat to maintain an air temperature of at least 40 Degrees F for 24 hours after laying units.
    - e. Do not heat mixing water for mortar and grout to above 160 Degrees F.
- I Protect completed masonry and masonry not being worked on in the following manner: (Temperature ranges indicated apply to mean daily air temperatures except for grouted masonry; if for grouted masonry, temperature ranges apply to anticipated minimum night temperatures.)
  1. 40 Degrees F to 32 Degrees F:
    - a. Protect masonry from rain or snow for at least 24 hours by covering with weather-resistant membrane.
  2. 32 Degrees F to 25 Degrees F:
    - a. Completely cover masonry with weather-resistant membrane for at least 24 hours.
  3. 25 Degrees F to 20 Degrees F:
    - a. Completely cover masonry with weather-resistant insulating blankets or similar protection for at least 24 hours; 48 hours for grouted masonry.
  4. 20 Degrees F and Below:
    - a. Except as otherwise indicated, maintain masonry temperature above 32 Degrees F for 24 hours using enclosures and supplementary heat, electric heating blankets, infrared lamps or other methods proven to be satisfactory. For grouted masonry maintain heated enclosure to 40 Degrees F for 48 hours.