



Delaware County

CODE COMPLIANCE

Building Regulations Floodplain Regulations Zoning Regulations

COLD WEATHER MASONRY

THE FOLLOWING REQUIREMENTS FOR MASONRY CONSTRUCTION IN COLD WEATHER ARE TAKEN FROM THE ACI 530 AND ACI 530-1 PUBLICATION WHICH IS THE RCO AND OBC REFERENCED STANDARD FOR MASONRY CONSTRUCTION.

2.3.2.2 COLD WEATHER CONSTRUCTION TO BE ADDRESSED WHEN TEMPERATURE FALLS BELOW 40 F

1. Do not lay masonry units having a temperature below 20 F. Remove visible ice on masonry units before the unit is laid in the masonry
2. Heat mortar sand or mixing water to produce mortar temperatures between 40 F and 120 F at the time of mixing. Maintain mortar above freezing until used in masonry
3. When ambient temperature is between 25 F and 20F use heat sources on both sides of the masonry under construction and install wind breaks when wind velocity is in excess of 15 mph.
4. When ambient temperature is below 20 F, provide an enclosure for the masonry under construction and use heat sources to maintain temperatures above 32F within the enclosure
5. When the mean daily temperature is between 40 F and 32 F, protect completed masonry from rain or snow by covering with a water resistive membrane for 24 hr after construction.
6. When the daily temperature is between 32F and 25 F, completely cover completed masonry with a water resistive membrane after construction.
7. When mean daily temperature is between 25 F and 20 F, completely cover completed masonry with insulating blankets or equal protection for 24 hr after construction.
8. When mean daily temperature is below 20 F, maintain masonry temperature above 32F for 24 hr after construction by enclosure with supplementary heat, by electric heating blankets, by infrared heat lamps or by other acceptable means.