



CODE COMPLIANCE

Building Regulations Floodplain Regulations Zoning Regulations

COLD WEATHER CONCRETING

THIS GUIDELINE IS TO BE USED TO ASSIST INSPECTORS IN ASSURING ADEQUATE PROTECTION FOR CONCRETE PLACED IN COLD WEATHER. THE DOCUMENT USED AS A REFERENCE FOR THIS GUIDELINE IS THE AMERICAN CONCRETE INSTITUTE COMMITTEE REPORT 306. IN ADDITION TO THIS GUIDELINE, PROCEDURES PROVIDED BY REGISTERED DESIGN PROFESSIONALS WILL BE ACCEPTED. INSPECTORS WILL APPROVE CONCRETE TO BE POURED WHEN PROTECTION IS PROVIDED FOR AT THE TIME OF INSPECTION PER THE FOLLOWING SCHEDULE.

WHEN THE TEMPERATURE QUALIFY THE WEATHER AS A COLD WEATHER SITUATION AS DEFINED IN ACI 306, INSULATION WITH THE FOLLOWING R-VALUES MUST BE USED AND LEFT IN PLACE FOR ***THREE DAYS***:

FOR LOW TEMPERATURES BELOW 50 DEGREES F

AND NOT BELOW 40 DEGREES F R-2

AND NOT BELOW 33 DEGREES F R-4

AND NOT BELOW 22 DEGREES F R-6

AND NOT BELOW 17 DEGREES F R-8

PROCEDURES FROM A DESIGN PROFESSIONAL WILL BE REQUIRED IF THE LOW TEMPERATURE IS FORECASTED BELOW 17 DEGREES F IN THE THREE DAY PERIOD FOLLOWING PLACEMENT OF CONCRETE.

STRAW WILL BE ASSUMED TO HAVE A R-VALUE OF 1 FOR EACH INCH OF NON COMPACTED MATERIAL. STRAW MUST HAVE A PROTECTIVE COVERING, SUCH AS PLASTIC OR TARP TO PROTECT FROM WIND AND MOISTURE

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