

Cold Weather Concrete Requirements

Village of Shorewood – Building Division
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COLD WEATHER – A period when, for more than three (3) consecutive days:

A. Average daily temperature is less than forty degrees (<40°) Fahrenheit

-OR-

B. Air temperature is less than forty degrees (<40°) Fahrenheit for more than 12 hours. (The average daily air temperature is the average of the highest and lowest temperatures occurring from midnight to midnight.)

****** Adequate equipment must be provided for heating and protecting concrete materials, forms and fillers during freezing or near freezing weather.**

****** All ground where installing concrete must also be free of frost and ice.**

****** Frozen materials or materials containing ice must not be used.**

FOOTINGS – Must be poured only on dry soil when the temperature is greater than twenty-five degrees (>25°) Fahrenheit. Forms must be kept in place for a minimum of forty-eight (48) hours before removal. Footings must be protected with either insulation blankets or at least one (1) foot of straw covered with plastic to prevent air and water infiltration. Straw must cover the top and sides of the footing completely.

FOUNDATION WALLS – Must be poured only when the temperature is greater than twenty-five degrees (>25°) Fahrenheit. The pour must be completed by (12) noon to maximize curing time prior to falling temperatures at night. Forms must be kept in place for a minimum of seventy-two (72) hours before removal. Walls must be protected with insulation blankets for a minimum of seventy-two (72) hours prior to any removal of form work.

BASEMENT & GARAGE SLABS – Can be poured from January 1 – April 1 **only if** the concrete is roofed over, has been heated prior to and after the pour **and** the temperature is greater than twenty-five degrees (>25°) Fahrenheit. Forms must be kept in place for a minimum of twenty-four (24) hours before removal.

STOOPS/PORCHES – Can be poured from January 1 – April 1 **only if** the concrete is roofed over, has been heated prior to and after the pour **and** the temperature is greater than twenty-five degrees (>25°) Fahrenheit. Forms must be kept in place for a minimum of twenty-four (24) hours before removal.

OUTSIDE FLAT WORK (walks, patios, driveways, slabs, etc.) – **Not allowed** to be poured from January 1 - April 1 due to inclement weather conditions. When applicable, temperature must be greater than forty degrees (>40°) Fahrenheit for more than twelve (12) hours.