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| DOTLOGO2 | | | | | **Illinois Modified ASTM C 1064 Checklist**  **Temperature of Freshly Mixed Portland Cement Concrete** | | | | | |
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| Note: Illinois Modified ASTM C 1064 is formerly Illinois Modified AASHTO T 309. | | | | | | | | | | |
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| The following is a summary checklist of the key steps involved in measuring the temperature of freshly mixed concrete. | | | | | | | | | | |
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| **Did the tester:** | | |  | | | | | **YES** | **NO** |  |
|  | | | | | | | | | | |
| 1. | Obtain a sample large enough to provide a minimum of 3 in. (75 mm) of concrete cover around the sensor in all directions? | | | | | | |  |  |  |
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| 2. | Use an ASTM approved thermometer, accurate to ± 1° F (± 0.5° C) with an appropriate temperature range? | | | | | | |  |  |  |
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| 3. | Place the thermometer in the sample with a minimum of 3 in. (75 mm) cover around the sensor? | | | | | | |  |  |  |
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| 4. | Gently press the concrete around the thermometer? | | | | | | |  |  |  |
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| 5. | Read the temperature after a minimum of 2 minutes or when the temperature readings stabilized? | | | | | | |  |  |  |
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| 6. | Complete the temperature measurement within 5 minutes after obtaining the sample? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 7. | Record the temperature to the nearest ± 1° F (± 0.5° C)? | | | | | | |  |  |  |
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| Tester: | |  | | Observer: | |  | Date: | |  | |
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| REMARKS: | |  | | | | | | | | |
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