

**Delaware Department of Transportation  
Materials and Research  
Dover, Delaware**

DATE: \_\_\_\_\_

**TEMPERATURE OF FRESHLY MIXED CONCRETE  
PERFORMANCE CHECKLIST  
AASHTO T309 (ASTM C-1064)**

	YES	NO	RECHECK DATE P/F
<b>1. Obtain sample of concrete large enough to provide a minimum of 3 inches of concrete around sensor in all directions.</b>	_____	_____	_____
<b>2. Use ASTM approved thermometer accurate to <math>\pm 1^{\circ}\text{F}</math> (<math>0.5^{\circ}\text{C}</math>) and a range from <math>0^{\circ}\text{F}</math> to <math>120^{\circ}\text{F}</math> (<math>-18^{\circ}\text{C}</math>-<math>49^{\circ}\text{C}</math>).</b>	_____	_____	_____
<b>3. Place thermometer in sample with minimum of 3 inches cover around sensor.</b>	_____	_____	_____
<b>4. Gently press concrete around thermometer.</b>	_____	_____	_____
<b>5. Complete temperature measurement within 5 minutes after obtaining sample.</b>	_____	_____	_____
<b>6. Record temperature to nearest degree Fahrenheit (0.5 degree Celsius).</b>	_____	_____	_____

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**SUPERVISOR**

\_\_\_\_\_  
**TECHNICIAN**