



Date of Review:	Project Subcontractor:	Projected Temp Range:
		Projected Pour Date:
		Day 1:
		Day 2:
Project: #		Day 3:

Cold Weather Concrete Pour/Protection Procedure Requirements

Special precautions are required when placing, finishing, curing, and protecting concrete against the effects of the cold weather. Weather conditions can change rapidly in winter, good concrete practices and proper planning are essential for a high quality product.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	When temperature falls below 40°F three (3) consecutive days.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	Attach the Subcontractors procedures for cold weather concrete.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	List the approved cold weather additives:	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	The relative percentage of fly ash may be reduced, increasing the amount of Portland cement, which will increase the rate of set & strength. However, durability will likely be compromised ALWAYS SEEK A/E APPROVAL FIRST.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<u>Concrete should be placed at the lowest practical slump, as this reduces bleeding and setting time.</u> <u>We should NOT be adding water...Adding 1-2 gallons of water/cy will delay the set time by 1-2 hours which will increase the setting & strength gain</u> ALWAYS SEEK A/E APPROVAL FIRST.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	Design Slump:	Target Slump:
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	Concrete Thickness:	Less than 12" (Target Temp = 55°)
				12" – 36" (Target Temp = 50°)
				36" – 72" (Target Temp = 45°)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	Requested temperature from the plant:	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	Snow, Ice, & Frost must be removed prior to pour.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	We must protect concrete from freezing until the concrete reaches about 500psi, which is typically 2 full days at 50°F. (concrete temp) <i>This will be longer if the concrete temperature is lower.</i>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	Have all insulating materials ready and convenient. Do not store in a deicer location.	





<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Will Ground Warming / Protection be Required? If yes, type of warming / protection:	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Rebar needs to be above 32°F prior to pour, which will require insulating rebar prior to pour.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Will Rebar Warming / Protection be Required? If yes, type of warming / protection:	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Where will the protection be located prior to the pour?	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Concrete Protection... Type of warming / protection:	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	We need to "gradually" remove the insulation from the surface to avoid thermal shock.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Corners and edges are most susceptible to heat loss and will need special attention.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	How long will the protection be in place after finishing:	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	If fossil fuel is being used to heat the space, the space must be vented in order to prevent carbonization of the slab, which will cause dusting.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Do not use a "jitterbug" or vibrating screed as this will produce a weak layer of paste on surface.	

Additional Comments:

Sign & Date:

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