



# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000069  
08/09/2022, 28-day  
Report Date: 09/08/2022  
Sample: 103888

### Colorado Springs

5170 Mark Dabling Blvd  
Colorado Springs, CO 80918  
Phone: 719-528-8300

### Client:

Sub4 Development Corporation  
2301 West Bradley Avenue Suite 2  
Champaign, IL 61821

### Project:

CS19163.001F-365  
Solace Colorado Springs  
Powers Boulevard and Galley Road  
Colorado Springs, CO

### Sample Details

<b>Set #:</b>	13	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	05:26 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	06:17 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/09/22	<b>Cast:</b>	06:25 MDT
<b>Truck / Ticket #:</b>	1640 / 14006930	<b>Sampled From:</b>	Chute	<b>Truck Empty:</b>	
<b>Contractor:</b>	Araco concrete contractors llc	<b>Placement Method:</b>	Pump	<b>Placement Time:</b>	

### Location

<b>Placement Location:</b>	Trickle Channel
<b>Location Details:</b>	Irrigation Channel
<b>Sample Location / Notes:</b>	7 yards south of north corner of pour #2

### Batch Log

<b>Supplier:</b>	SRM Concrete	<b>Mix Design:</b>	ZCD4195	<b>Strength:</b>	4500 (psi)
<b>Plant:</b>	21014				
<b>On-Site Admixtures:</b>	None				

### Specifications

### Field Measurements

<b>Weather:</b>	Clear sky	<b>Slump (in):</b>	4	<b>Plastic Unit Weight:</b>	141.2 (lb/ft³)
<b>Air Temperature (F):</b>	62	<b>Concrete Temp (F):</b>	80	<b>Air Content:</b>	5.5
				<b>Load Volume:</b>	10.00 (yd³)

### Standard Cure

<b>Min / Max Temp (F):</b>	68/75
<b>Initial Cure Method:</b>	Box
<b>Final Cure Method:</b>	Tank

### Field Cure

### Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
13-1	7	08/16/22	1 / 6	4.00	12.57	55,059	4,380	2		N
13-2	28	09/06/22	1 / 27	4.00	12.57	64,351	5,120	5	C4	N
13-3	28	09/06/22	1 / 27	4.00	12.57	65,015	5,170	2	C4	N
13-4	28	09/06/22	1 / 27	4.00	12.57	68,538	5,450	2	C4	N

Test Age Average Strengths (psi): 7 Day - 4380, 28 Day - 5250

### Capping Methods

<b>C4:</b> Strength is greater than or equal to f'c.	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Tested By:</b> Mark Coppeak (1,2,3,4)	
<b>Checked In :</b> 08/10/2022 (1,2,3,4)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000070  
08/09/2022, 28-day  
Report Date: 09/08/2022  
Sample: 103898

### Colorado Springs

5170 Mark Dabling Blvd  
Colorado Springs, CO 80918  
Phone: 719-528-8300

### Client:

Sub4 Development Corporation  
2301 West Bradley Avenue Suite 2  
Champaign, IL 61821

### Project:

CS19163.001F-365  
Solace Colorado Springs  
Powers Boulevard and Galley Road  
Colorado Springs, CO

### Sample Details

<b>Set #:</b>	12	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	06:27 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	07:19 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/09/22	<b>Cast:</b>	07:24 MDT
<b>Truck / Ticket #:</b>	764 / 14006936	<b>Sampled From:</b>	Chute	<b>Truck Empty:</b>	
<b>Contractor:</b>	Araco concrete contractors llc	<b>Placement Method:</b>	Pump	<b>Placement Time:</b>	

### Location

<b>Placement Location:</b>	Trickle Channel
<b>Location Details:</b>	East irrigation channel pour #2
<b>Sample Location / Notes:</b>	8 yards south on the top east side of irrigation channel pour #2

### Batch Log

<b>Supplier:</b>	SRM Concrete	<b>Mix Design:</b>	ZCD4195	<b>Strength:</b>	4500 (psi)
<b>Plant:</b>	21014				
<b>On-Site Admixtures:</b>	None				

### Specifications

### Field Measurements

<b>Weather:</b>	Clear sky	<b>Slump (in):</b>	4-1/2	<b>Plastic Unit Weight:</b>	141.2 (lb/ft³)
<b>Air Temperature (F):</b>	71	<b>Concrete Temp (F):</b>	78	<b>Air Content:</b>	5.5
				<b>Load Volume:</b>	10.00 (yd³)

### Standard Cure

### Field Cure

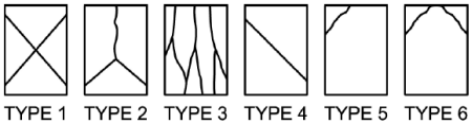
### Lab Test Results

<b>Testing Lab:</b> Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
12-1	7	08/16/22	1 / 6	4.00	12.57	51,972	4,140	5		N
12-2	28	09/06/22	1 / 27	4.00	12.57	65,370	5,200	5	C4	N
12-3	28	09/06/22	1 / 27	4.00	12.57	65,766	5,230	5	C4	N
12-4	28	09/06/22	1 / 27	4.00	12.57	66,388	5,280	5	C4	N

**Test Age Average Strengths (psi):** 7 Day - 4140, 28 Day - 5240

### Capping Methods

<b>C4:</b> Strength is greater than or equal to f'c.	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Tested By:</b> Mark Coppeak (1,2,3,4)	
<b>Checked In :</b> 08/10/2022 (1,2,3,4)	





# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000071  
08/09/2022, 28-day  
Report Date: 09/08/2022  
Sample: 103899

### Colorado Springs

5170 Mark Dabling Blvd  
Colorado Springs, CO 80918  
Phone: 719-528-8300

### Client:

Sub4 Development Corporation  
2301 West Bradley Avenue Suite 2  
Champaign, IL 61821

### Project:

CS19163.001F-365  
Solace Colorado Springs  
Powers Boulevard and Galley Road  
Colorado Springs, CO

### Sample Details

<b>Set #:</b>	15	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	06:25 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	06:30 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/09/22	<b>Cast:</b>	06:45 MDT
<b>Truck / Ticket #:</b>	1640 / 14006952	<b>Sampled From:</b>	Chute	<b>Truck Empty:</b>	
<b>Contractor:</b>	Araco concrete contractors llc	<b>Placement Method:</b>	Pump	<b>Placement Time:</b>	

### Location

<b>Placement Location:</b>	Trickle Channel
<b>Location Details:</b>	East irrigation channel pour #2
<b>Sample Location / Notes:</b>	16 yards south of northeast corner top of channel

### Batch Log

<b>Supplier:</b>	SRM Concrete	<b>Mix Design:</b>	ZCD4195	<b>Strength:</b>	4500 (psi)
<b>Plant:</b>	21014				
<b>On-Site Admixtures:</b>	None				

### Specifications

### Field Measurements

<b>Weather:</b>	Clear sky	<b>Slump (in):</b>	5	<b>Plastic Unit Weight:</b>	140.8 (lb/ft³)
<b>Air Temperature (F):</b>	72	<b>Concrete Temp (F):</b>	80	<b>Air Content:</b>	5.8
				<b>Load Volume:</b>	10.00 (yd³)

### Standard Cure

<b>Min / Max Temp (F):</b>	68/75
<b>Initial Cure Method:</b>	Box
<b>Final Cure Method:</b>	Tank

### Field Cure

### Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
15-1	7	08/16/22	1 / 6	4.00	12.57	54,546	4,340	2		N
15-2	28	09/06/22	1 / 27	4.00	12.57	68,036	5,410	2	C4	N
15-3	28	09/06/22	1 / 27	4.00	12.57	66,630	5,300	2	C4	N
15-4	28	09/06/22	1 / 27	4.00	12.57	68,368	5,440	2	C4	N

Test Age Average Strengths (psi): 7 Day - 4340, 28 Day - 5380

### Capping Methods

<b>C4:</b> Strength is greater than or equal to f'c.	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Tested By:</b> Mark Coppeak (1,2,3,4)	
<b>Checked In :</b> 08/10/2022 (1,2,3,4)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000072  
08/09/2022, 28-day  
Report Date: 09/08/2022  
Sample: 103900

### Colorado Springs

5170 Mark Dabling Blvd  
Colorado Springs, CO 80918  
Phone: 719-528-8300

### Client:

Sub4 Development Corporation  
2301 West Bradley Avenue Suite 2  
Champaign, IL 61821

### Project:

CS19163.001F-365  
Solace Colorado Springs  
Powers Boulevard and Galley Road  
Colorado Springs, CO

### Sample Details

<b>Set #:</b>	17	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	08:25 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	09:10 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/09/22	<b>Cast:</b>	09:20 MDT
<b>Truck / Ticket #:</b>	1640 / 14006952	<b>Sampled From:</b>	Chute	<b>Truck Empty:</b>	
<b>Contractor:</b>	Araco concrete contractors llc	<b>Placement Method:</b>	Pump	<b>Placement Time:</b>	

### Location

**Placement Location:** Trickle Channel  
**Location Details:** East irrigation channel pour #2  
**Sample Location / Notes:** 25 yards south of the top northwest edge

### Batch Log

<b>Supplier:</b>	SRM Concrete	<b>Mix Design:</b>	ZCD4195	<b>Strength:</b>	4500 (psi)
<b>Plant:</b>	21014				
<b>On-Site Admixtures:</b>	None				

### Specifications

### Field Measurements

<b>Weather:</b>	Clear sky	<b>Slump (in):</b>	4	<b>Plastic Unit Weight:</b>	140.5 (lb/ft³)
<b>Air Temperature (F):</b>		<b>Concrete Temp (F):</b>	80	<b>Air Content:</b>	5.8
				<b>Load Volume:</b>	10.00 (yd³)

### Standard Cure

<b>Min / Max Temp (F):</b>	68/75
<b>Initial Cure Method:</b>	Box
<b>Final Cure Method:</b>	Tank

### Field Cure

### Lab Test Results

**Testing Lab:** Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
17-1	7	08/16/22	1 / 6	4.00	12.57	49,873	3,970	5		N
17-2	28	09/06/22	1 / 27	4.00	12.57	62,659	4,990	2	C4	N
17-3	28	09/06/22	1 / 27	4.00	12.57	63,192	5,030	2	C4	N
17-4	28	09/06/22	1 / 27	4.00	12.57	65,096	5,180	2	C4	N

**Test Age Average Strengths (psi):** 7 Day - 3970, 28 Day - 5060

### Capping Methods

<b>C4:</b> Strength is greater than or equal to f'c.	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Tested By:</b> Mark Coppeak (1,2,3,4)	
<b>Checked In :</b> 08/10/2022 (1,2,3,4)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6