



# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000061  
08/24/2022, 7-day  
Report Date: 09/01/2022  
Sample: 104498

### 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>	39	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	05:22 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	06:10 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/24/22	<b>Cast:</b>	06:21 MDT
<b>Truck / Ticket #:</b>	1913 / 14007699	<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 pour #6
<b>Sample Location / Notes:</b>	20 yard north of the south end of the irrigation channel on the ne ledge

### 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>	140.3 (lb/ft³)
<b>Air Temperature (F):</b>	55	<b>Concrete Temp (F):</b>	75	<b>Air Content:</b>	6.0
				<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
39-1	7	08/31/22	1 / 6	4.00	12.57	58,975	4,690	5		N
39-2	28	09/21/22	1 / 27							
39-3	28	09/21/22	1 / 27							
39-4	28	09/21/22	1 / 27							
39-5	56 H	10/19/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4690

### Capping Methods

<b>Tested By:</b> Mark Coppeak (1)	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Checked In :</b> 08/25/2022 (1,2,3,4,5)	



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-000062  
08/24/2022, 7-day  
Report Date: 09/01/2022  
Sample: 104499

### 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>	45	<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>	06:51 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/24/22	<b>Cast:</b>	07:00 MDT
<b>Truck / Ticket #:</b>	2033 / 14007704	<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 pour #6
<b>Sample Location / Notes:</b>	20 yd North of the South end of the irrigation 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>	6	<b>Plastic Unit Weight:</b>	139.0 (lb/ft³)
<b>Air Temperature (F):</b>	58	<b>Concrete Temp (F):</b>	75	<b>Air Content:</b>	6.8
				<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
45-1	7	08/31/22	1 / 6	4.00	12.57	55,188	4,390	3		N
45-2	28	09/21/22	1 / 27							
45-3	28	09/21/22	1 / 27							
45-4	28	09/21/22	1 / 27							
45-5	56 H	10/19/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4390

### Capping Methods

<b>Tested By:</b> Mark Coppeak (1)	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Checked In :</b> 08/25/2022 (1,2,3,4,5)	



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-000063  
08/24/2022, 7-day  
Report Date: 09/01/2022  
Sample: 104502

### 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>	46	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	07:16 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	07:39 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/24/22	<b>Cast:</b>	07:51 MDT
<b>Truck / Ticket #:</b>	1633 / 14007719	<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 pour #6
<b>Sample Location / Notes:</b>	15 yards north of the south end irrigation 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>	140.2 (lb/ft³)
<b>Air Temperature (F):</b>	68	<b>Concrete Temp (F):</b>	75	<b>Air Content:</b>	6.5
				<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
46-1	7	08/31/22	1 / 6	4.00	12.57	59,515	4,740	3		N
46-2	28	09/21/22	1 / 27							
46-3	28	09/21/22	1 / 27							
46-4	28	09/21/22	1 / 27							
46-5	56 H	10/19/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4740

### Capping Methods

<b>Tested By:</b> Mark Coppeak (1)	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Checked In :</b> 08/25/2022 (1,2,3,4,5)	



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-000064  
08/24/2022, 7-day  
Report Date: 09/01/2022  
Sample: 104503

### 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>	47	<b>Technician:</b>	Souza, Alexander	<b>Batched:</b>	08:00 MDT
<b>Specimen Size:</b>	CS 4" X 8"	<b>Cast By:</b>	Souza, Alexander	<b>Sampled:</b>	08:36 MDT
<b>Specimens In Set:</b>	5	<b>Date Cast:</b>	08/24/22	<b>Cast:</b>	08:44 MDT
<b>Truck / Ticket #:</b>	647 / 14007711	<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 pour #6
<b>Sample Location / Notes:</b>	5 yards north of the south end irrigation 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>	4-3/4	<b>Plastic Unit Weight:</b>	142.8 (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
47-1	7	08/31/22	1 / 6	4.00	12.57	52,339	4,160	2		N
47-2	28	09/21/22	1 / 27							
47-3	28	09/21/22	1 / 27							
47-4	28	09/21/22	1 / 27							
47-5	56 H	10/19/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4160

### Capping Methods

<b>Tested By:</b> Mark Coppeak (1)	<b>N:</b> Unbonded Caps (ASTM C1231)
<b>Checked In :</b> 08/25/2022 (1,2,3,4,5)	

