



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000150
08/12/2022, 56-day
Report Date: 10/11/2022
Sample: 104068

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

Set #:	14	Technician:	Souza, Alexander	Batched:	05:01 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	05:25 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	05:32 MDT
Truck / Ticket #:	1913 / 14007131	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	Northeast corner of irrigation channel pour #3

Batch Log

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

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	4	Plastic Unit Weight:	140.6 (lb/ft³)
Air Temperature (F):	62	Concrete Temp (F):	82	Air Content:	5.5
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	60/80
Initial Cure Method:	Box
Final Cure Method:	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
14-1	7	08/19/22	1 / 6	4.00	12.57	50,482	4,020	5		N
14-2	28	09/09/22	1 / 27	4.00	12.57	60,511	4,810	3	C4	N
14-3	28	09/09/22	1 / 27	4.00	12.57	60,535	4,820	5	C4	N
14-4	28	09/09/22	1 / 27	4.00	12.57	62,268	4,950	2	C4	N
14-5	56	10/07/22	1 / 55	4.00	12.57	68,333	5,440	2	C4	N

Test Age Average Strengths (psi): 7 Day - 4020, 28 Day - 4860, 56 Day - 5440

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1,2,3,4,5)	
Checked In : 08/13/2022 (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-000151
08/12/2022, 56-day
Report Date: 10/11/2022
Sample: 104079

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

Set #:	19	Technician:	Souza, Alexander	Batched:	07:13 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	08:00 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	08:11 MDT
Truck / Ticket #:	1635 / 14007148	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	15 yards south of nw edge of the top of irrigation channel

Batch Log

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

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	4	Plastic Unit Weight:	139.4 (lb/ft³)
Air Temperature (F):	81	Concrete Temp (F):	81	Air Content:	5.0
				Load Volume:	10.00 (yd³)

Standard Cure

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

Field Cure

Lab Test Results

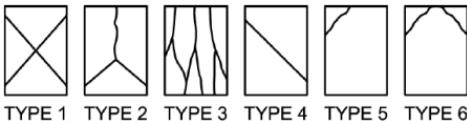
Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

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
19-1	7	08/19/22	1 / 6	4.00	12.57	47,697	3,800	5		N
19-2	28	09/09/22	1 / 27	4.00	12.57	54,988	4,380	5	C2	N
19-3	28	09/09/22	1 / 27	4.00	12.57	53,120	4,230	2	C2	N
19-4	28	09/09/22	1 / 27	4.00	12.57	55,599	4,420	2	C2	N
19-5	56	10/07/22	1 / 55	4.00	12.57	58,895	4,690	2	C4	N

Test Age Average Strengths (psi): 7 Day - 3800, 28 Day - 4340, 56 Day - 4690

Capping Methods

C2: Strength is less than f'c. One cylinder will be held to break at 56 days.	N: Unbonded Caps (ASTM C1231)
C4: Strength is greater than or equal to f'c.	
Tested By: Mark Coppeak (1,2,3,4,5)	
Checked In : 08/13/2022 (1,2,3,4,5)	





CTL THOMPSON Compressive Strength of Concrete

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Test Method: ASTM C 39

Report #: CC-000152
08/12/2022, 56-day
Report Date: 10/11/2022
Sample: 104080

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

Set #:	20	Technician:	Souza, Alexander	Batched:	08:54 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	09:33 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	09:44 MDT
Truck / Ticket #:	1633 / 14007160	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	25 yards south of northeast edge of irrigation channel

Batch Log

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

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	4	Plastic Unit Weight:	140.5 (lb/ft³)
Air Temperature (F):	85	Concrete Temp (F):	80	Air Content:	6.0
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	68/75
Initial Cure Method:	Box
Final Cure Method:	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
20-1	7	08/19/22	1 / 6	4.00	12.57	38,762	3,080	5	C1	N
20-2	28	09/09/22	1 / 27	4.00	12.57	55,419	4,410	5	C2	N
20-3	28	09/09/22	1 / 27	4.00	12.57	54,451	4,330	2	C2	N
20-4	28	09/09/22	1 / 27	4.00	12.57	50,222	4,000	3	C2	N
20-5	56	10/07/22	1 / 55	4.00	12.57	57,764	4,600	2	C4	N

Test Age Average Strengths (psi): 7 Day - 3080, 28 Day - 4250, 56 Day - 4600

Capping Methods

C1: Strength is less than 70 percent of f'c.	N: Unbonded Caps (ASTM C1231)
C2: Strength is less than f'c. One cylinder will be held to break at 56 days.	
C4: Strength is greater than or equal to f'c.	
Tested By: Mark Coppeak (1,2,3,4,5)	
Checked In : 08/13/2022 (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-000153
09/08/2022, 28-day
Report Date: 10/11/2022
Sample: 105195

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

Set #:	61	Technician:	Scott, Tanner	Batched:	11:19 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Scott, Tanner	Sampled:	12:00 MDT
Specimens In Set:	5	Date Cast:	09/08/22	Cast:	12:15 MDT
Truck / Ticket #:	2105 / 14008315	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete Contractors LLC	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Footings for Building B
Sample Location / Notes:	At gridline C,10

Batch Log

Supplier:	SRM Concrete	Mix Design:	N4405SP	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	6-1/2	Plastic Unit Weight:	146.2 (lb/ft³)
Air Temperature (F):	88	Concrete Temp (F):	82	Air Content:	2.0
				Load Volume:	10.00 (yd³)

Standard Cure

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
61-1	7	09/15/22	1 / 6	4.00	12.57	68,974	5,490	5		N
61-2	28	10/06/22	1 / 27	4.00	12.57	79,652	6,340	3	C4	N
61-3	28	10/06/22	1 / 27	4.00	12.57	80,228	6,380	3	C4	N
61-4	28	10/06/22	1 / 27	4.00	12.57	73,759	5,870	3	C4	N

Test Age Average Strengths (psi): 7 Day - 5490, 28 Day - 6200

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1,2,3,4)	
Checked In : 09/09/2022 (1,2,3,4)	



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