



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000136
08/03/2022, 56-day
Report Date: 09/30/2022
Sample: 103616

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 #:	7	Technician:	Chavez, Angel	Batched:	05:25 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	06:10 MDT
Specimens In Set:	5	Date Cast:	08/03/22	Cast:	06:25 MDT
Truck / Ticket #:	1915 / 14006632	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Inlet Base
Location Details:	Channel Liner
Sample Location / Notes:	Irrigation channel, east side of the job site running south

Batch Log

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

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	3-1/2	Plastic Unit Weight:	140.4 (lb/ft ³)
Air Temperature (F):	64	Concrete Temp (F):	78	Air Content:	5.5
				Load Volume:	10.00 (yd ³)

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 (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
7-1	7	08/10/22	1 / 6	4.00	12.57	48,778	3,880	2		N
7-2	28	08/31/22	1 / 27	4.00	12.57	57,127	4,550	3	C4	N
7-3	28	08/31/22	1 / 27	4.00	12.57	55,124	4,390	3	C2	N
7-4	28	08/31/22	1 / 27	4.00	12.57	53,020	4,220	3	C2	N
7-5	56	09/28/22	1 / 55	4.00	12.57	66,383	5,280	3	C4	N

Test Age Average Strengths (psi): 7 Day - 3880, 28 Day - 4380, 56 Day - 5280

Capping Methods

C4: Strength is greater than or equal to f _c .	N: Unbonded Caps (ASTM C1231)
C2: Strength is less than f _c . One cylinder will be held to break at 56 days.	
Tested By: Mark Coppeak (1,2,3,4,5)	
Checked In : 08/04/2022 (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-000137
08/03/2022, 56-day
Report Date: 09/30/2022
Sample: 103621

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 #:	8	Technician:	Chavez, Angel	Batched:	06:43 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	07:15 MDT
Specimens In Set:	5	Date Cast:	08/03/22	Cast:	07:30 MDT
Truck / Ticket #:	1915 / 14006641	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Inlet Base
Location Details:	Channel Liner
Sample Location / Notes:	Irrigation channel, east side of the job site running south

Batch Log

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

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	5	Plastic Unit Weight:	139.2 (lb/ft ³)
Air Temperature (F):	79	Concrete Temp (F):	75	Air Content:	5.7
				Load Volume:	10.00 (yd ³)

Standard Cure

Field Cure

Lab Test Results

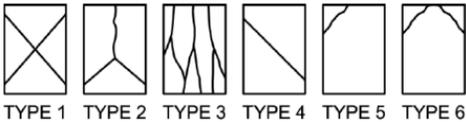
Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
8-1	7	08/10/22	1 / 6	4.00	12.57	48,588	3,870	3		N
8-2	28	08/31/22	1 / 27	4.00	12.57	57,389	4,570	3	C4	N
8-3	28	08/31/22	1 / 27	4.00	12.57	55,900	4,450	3	C2	N
8-4	28	08/31/22	1 / 27	4.00	12.57	56,583	4,500	3	C4	N
8-5	56	09/28/22	1 / 55	4.00	12.57	61,522	4,890	2	C4	N

Test Age Average Strengths (psi): 7 Day - 3870, 28 Day - 4510, 56 Day - 4890

Capping Methods

C4: Strength is greater than or equal to f _c .	N: Unbonded Caps (ASTM C1231)
C2: Strength is less than f _c . One cylinder will be held to break at 56 days.	
Tested By: Mark Coppeak (1,2,3,4,5)	
Checked In : 08/04/2022 (1,2,3,4,5)	





CTL THOMPSON Compressive Strength of Concrete

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Test Method: ASTM C 39

Report #: CC-000138
08/03/2022, 56-day
Report Date: 09/30/2022
Sample: 103622

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 #:	9	Technician:	Chavez, Angel	Batched:	07:10 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	07:55 MDT
Specimens In Set:	5	Date Cast:	08/03/22	Cast:	08:10 MDT
Truck / Ticket #:	2106 / 14006646	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Inlet Base
Location Details:	Channel Liner
Sample Location / Notes:	Irrigation channel, east side of the job site running south

Batch Log

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

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	5-1/2	Plastic Unit Weight:	139.6 (lb/ft ³)
Air Temperature (F):	79	Concrete Temp (F):	79	Air Content:	5.5
				Load Volume:	10.00 (yd ³)

Standard Cure

Field Cure

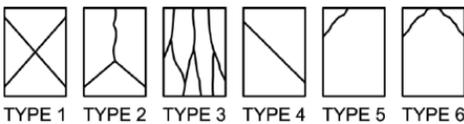
Lab Test Results

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 (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
9-1	7	08/10/22	1 / 6	4.00	12.57	49,963	3,980	3		N
9-2	28	08/31/22	1 / 27	4.00	12.57	61,339	4,880	5	C4	N
9-3	28	08/31/22	1 / 27	4.00	12.57	61,913	4,930	3	C4	N
9-4	28	08/31/22	1 / 27	4.00	12.57	62,719	4,990	2	C4	N
9-5	56	09/28/22	1 / 55	4.00	12.57	68,847	5,480	2	C4	N

Test Age Average Strengths (psi): 7 Day - 3980, 28 Day - 4930, 56 Day - 5480

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 : 08/04/2022 (1,2,3,4,5)	





CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000139
08/03/2022, 56-day
Report Date: 09/30/2022
Sample: 103623

Colorado Springs

5170 Mark Dabbling 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 #:	10	Technician:	Chavez, Angel	Batched:	07:54 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	09:00 MDT
Specimens In Set:	5	Date Cast:	08/03/22	Cast:	09:15 MDT
Truck / Ticket #:	1915 / 14006656	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Inlet Base
Location Details:	Channel Liner
Sample Location / Notes:	Irrigation channel, east side of the job site running south

Batch Log

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

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	5	Plastic Unit Weight:	138.8 (lb/ft ³)
Air Temperature (F):	79	Concrete Temp (F):	80	Air Content:	5.0
				Load Volume:	10.00 (yd ³)

Standard Cure

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabbling Blvd., Colorado Springs, CO, 80918										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
10-1	7	08/10/22	1 / 6	4.00	12.57	45,550	3,620	3		N
10-2	28	08/31/22	1 / 27	4.00	12.57	60,026	4,780	3	C4	N
10-3	28	08/31/22	1 / 27	4.00	12.57	61,946	4,930	3	C4	N
10-4	28	08/31/22	1 / 27	4.00	12.57	61,559	4,900	3	C4	N
10-5	56	09/28/22	1 / 55	4.00	12.57	65,407	5,200	2	C4	N

Test Age Average Strengths (psi): 7 Day - 3620, 28 Day - 4870, 56 Day - 5200

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 : 08/04/2022 (1,2,3,4,5)	

