

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/20/2024

Sample: 447121

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Tailor Made Exteriors
1610 SE Hamblen Rd
Lee's Summit, MO 64081

Project:

230445
TM Fieldhouse
1600 SE Hamblen Rd
Lees Summit, MO 64081

Sample Details

Set #:	18	Technician:	Chase Behler	Batched:	06:02 CDT
Specimen Size:	4" X 8"	Cast By:	Chase Behler	Sampled:	06:20 CDT
Specimens In Set:	5	Date Cast:	07/18/24	Cast:	06:35 CDT
Truck / Ticket #:	467 / 1006621	Sampled From:	Chute	Truck Empty:	06:44 CDT
Contractor:	Secon Construction	Placement Method:	Pump	Placement Time:	42 (min)

Location

Placement Location:	Building Interior - Slab on Grade
Location Details:	Floor slab pour
Sample Location / Notes:	East half of slab approximately 20-30' passed center of slab

Batch Log

Supplier:	Geiger	Mix Design:	P4UC540V445	Strength:	4000 (psi)
Plant:	Lee's Summit				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	6-1/2 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	62	Concrete Temp (F):	77 (ASTM C1064)	Air Content:	
				Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

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
18-1	7	07/25/24	2 / 5	4.00	12.57	50,320	4,000	3		N
18-2	28	08/15/24	2 / 26	4.00	12.57	67,690	5,390	2		N
18-3	28	08/15/24	2 / 26	4.00	12.57	66,870	5,320	3		N
18-4	28	08/15/24	2 / 26	4.00	12.57	66,920	5,320	3		N
18-5	56 H	09/12/24	2 / 54							

Test Age Average Strengths (psi): 7 Day - 4000, 28 Day - 5340

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 07/20/2024 (1,2,3,4,5)	

