

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/01/2024

Sample: 446543

## 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 #:	5	Technician:	Bryce Enzbrenner	Batched:	10:40 CDT
Specimen Size:	4" X 8"	Cast By:	Bryce Enzbrenner	Sampled:	11:05 CDT
Specimens In Set:	5	Date Cast:	05/28/24	Cast:	11:20 CDT
Truck / Ticket #:	354 / 86959	Sampled From:	Chute	Truck Empty:	11:31 CDT
Contractor:	Secon construction	Placement Method:	Chute	Placement Time:	51 (min)

## Location

Placement Location:	Building Interior - Footing
Location Details:	Grade beam Footings 8-15
Sample Location / Notes:	Started with grade beam #8

## Batch Log

Supplier:	Geiger	Mix Design:	P4UC530V450	Strength:	4000 (psi)
Plant:	Lee's Summit				
On-Site Admixtures:	None				

## Specifications

## Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	65	Concrete Temp (F):	81 (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
5-1	7	06/04/24	1 / 6	4.00	12.57	50,750	4,040	3		N
5-2	28	06/25/24	1 / 27	4.00	12.57	74,330	5,910	3		N
5-3	28	06/25/24	1 / 27	4.00	12.57	72,400	5,760	3		N
5-4	28	06/25/24	1 / 27	4.00	12.57	73,510	5,850	3		N
5-5	56 H	07/23/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4040, 28 Day - 5840

## Capping Methods

Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 05/29/2024 (1,2,3,4,5)	



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