

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/01/2024

Sample: 446627

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 #:	8	Technician:	Apex Engineers	Batched:	11:37 CDT
Specimen Size:	4" X 8"	Cast By:	Apex Engineers	Sampled:	12:20 CDT
Specimens In Set:	5	Date Cast:	05/30/24	Cast:	12:20 CDT
Truck / Ticket #:	23 / 49730	Sampled From:	Chute	Truck Empty:	
Contractor:	Secon	Placement Method:	Chute	Placement Time:	

Location

Placement Location: Building Exterior - Wall
Location Details: Wall at loading dock
Sample Location / Notes: Loading dock wall - NWC

Batch Log

Supplier: MLC Ready Mix
On-Site Admixtures: None

Specifications

Strength: 4000 (psi)
Slump: 3 - 5 (in)

Field Measurements

Weather: Sunny
Air Temperature (F): 80
Slump (in): 4 (ASTM C143)
Concrete Temp (F): 78 (ASTM C1064)
Plastic Unit Weight: 4.9 (ASTM C231)
Air Content: 4.9 (ASTM C231)
Load Volume: 13.00 (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 (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
8-1	7	06/06/24	4 / 3	4.00	12.57	55,610	4,420	3		N
8-2	28	06/27/24	4 / 24	4.00	12.57	79,910	6,360	3		N
8-3	28	06/27/24	4 / 24	4.00	12.57	79,790	6,350	3		N
8-4	28	06/27/24	4 / 24	4.00	12.57	78,140	6,220	3		N
8-5	56 H	07/25/24	4 / 52							

Test Age Average Strengths (psi): 7 Day - 4420, 28 Day - 6310

Capping Methods

Tested By: DJ Burdick (1), Marquis Gaston (2,3,4)

N: Neoprene

Checked In : 06/03/2024 (1,2,3,4,5)



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