



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000032
Sample 264833 28-day
Report Date: 10/25/2021
Sample: 264833

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616
Phone: 919-872-2660
Fax: 919-876-3958

Client: SHEETZ, Inc.
1737 White Kennel Road
Burlington, NC 27215

Project: 214164
Sheetz #716 Cameron
Intersection of Sawyer Rd and NC Hwy 24
Cameron, NC 28326

Sample Details			
Set #:	15	Technician:	HAZEM ISMAIL
Specimen Size:	4" X 8"	Cast By:	HAZEM ISMAIL
Specimens In Set:	5	Date Cast:	09/24/21
Truck / Ticket #:	424 / 2446779	Sampled From:	Chute
Contractor:	Gates Concrete	Placement Method:	
Batched:	10:11 EDT	Sampled:	10:55 EDT
		Cast:	11:00 EDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	FOUNDATION - Spread
Location Details:	Sheetz sign foundations
Sample Location / Notes:	Sheetz sign foundations

Batch Log		Specifications	
Supplier:	06-S&W Ready Mix Concrete	Mix Design:	F40CBNA
On-Site Admixtures:	None	Strength:	4000 (psi)
		Air:	1 - 3 (%)
		Slump:	3 - 5 (in)

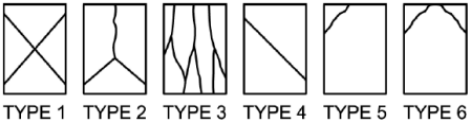
Field Measurements			
Weather:	Sunny	Slump (in):	4-1/2 (ASTM C143)
Air Temperature (F):	62	Concrete Temp (F):	80 (ASTM C1064)
		Plastic Unit Weight:	145.7 (lb/ft³) (ASTM C138)
		Air Content:	1.0 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure	Field Cure

Lab Test Results										
Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616										
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
15-1	7	10/01/21	1 / 6	3.99	12.50	47,460	3,800	3	P7	U
15-2	28	10/22/21	1 / 27	4.01	12.63	70,660	5,600	3	P	U
15-3	28	10/22/21	1 / 27	4.01	12.63	71,440	5,660	3	P	U
15-4	28	10/22/21	1 / 27	4.01	12.63	71,420	5,660	3	P	U
15-5	28 H	10/22/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 3800, 28 Day - 5640

Capping Methods	
P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength. P: The compressive strength test result meets or exceeds the 28-day specified strength. Tested By: Mal KRAJAN (1,2,3,4,5) Checked In : 09/25/2021 (1,2,3,4,5)	U: Unbonded Caps (ASTM C1231)



Reviewed/Prepared by:
Jan ROSS
Oct 25, 2021