



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000021
Sample 262888 28-day
Report Date: 10/01/2021
Sample: 262888

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 #:	7	Technician:	David GALLIMORE
Specimen Size:	4" X 8"	Cast By:	David GALLIMORE
Specimens In Set:	5	Date Cast:	09/02/21
Truck / Ticket #:	0722 / 2446629	Sampled From:	Chute
Contractor:	Ready Contractors	Placement Method:	Chute
Batched:	12:36 EDT	Sampled:	13:16 EDT
		Cast:	13:28 EDT
		Truck Empty:	13:38 EDT
		Placement Time:	62 (min)

Location	
Placement Location:	PAVEMENT
Location Details:	Sensored areas at entrance and exit of car wash
Sample Location / Notes:	Car wash exit

Batch Log		Specifications	
Supplier:	05-S & W Concrete	Mix Design:	F40CB
Plant:	258 A	Strength:	4000 (psi)
On-Site Admixtures:	None	Air:	4.5 - 7.5 (%)
		Slump:	3 - 5 (in)

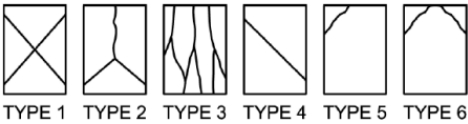
Field Measurements			
Weather:	Sunny	Slump (in):	4-1/4 (ASTM C143)
Air Temperature (F):	78	Concrete Temp (F):	86 (ASTM C1064)
		Plastic Unit Weight:	148.1 (lb/ft³) (ASTM C138)
		Air Content:	4.5 (ASTM C231)
		Load Volume:	9.00 (yd³)

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
7-1	7	09/09/21	7 / 0	3.99	12.50	49,430	3,950	5	P7	U
7-2	28	09/30/21	7 / 21	3.99	12.50	62,920	5,030	3	P	U
7-3	28	09/30/21	7 / 21	3.99	12.50	63,460	5,080	3	P	U
7-4	28	09/30/21	7 / 21	3.99	12.50	65,275	5,220	3	P	U
7-5	28 H	09/30/21	7 / 21							

Test Age Average Strengths (psi): 7 Day - 3950, 28 Day - 5110

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



Reviewed/Prepared by:
Jan ROSS
Oct 01, 2021