



Contractor Quality Control

Field Cast Density Log

Date of Placement:	Project Name:
Project Number:	
Approved Contractor:	Location:

Cast density shall be determined by taking samples obtained at the end of the pump hose at the point of placement. The samples are obtained by filling a [5] gallon pail with material flowing from the pump hose into the placement as outlined in ASTM C495.

Net Weight Conversion Chart

(values shown exclude the weight of the pail)

Sample Weight (lbs)	Cast Density (lbs/ft³)	Sample Weight (lbs)	Cast Density (lbs/ft³)	Sample Weight (lbs)	Cast Density (lbs/ft³)	Sample Weight (lbs)	Cast Density (lbs/ft³)
23	32.9	26	37.1	29	41.4	32	45.7
23.5	33.6	26.5	37.9	29.5	42.1	32.5	46.4
24	34.3	27	38.6	30	42.9	33	47.1
24.5	35	27.5	39.3	30.5	43.6	33.5	47.9
25	35.7	28	40	31	44.3	34	48.6
25.5	36.4	28.5	40.7	31.5	45	34.5	49.3

Footnote: The shaded values indicate densities below or above those typically used in roof deck construction.

Density Records

(S = Slurry Coat & T = Topping)

Time AM	S T	Density (lbs/ft³)	Time AM	S T	Density (lbs/ft³)	Time PM	S/T	Density (lbs/ft³)	Time PM	S/T	Density (lbs/ft³)
6:30			9:30			12:30			3:30		
7:00			10:00			1:00			4:00		
7:30			10:30			1:30			4:30		
8:00			11:00			2:00			5:00		
8:30			11:30			2:30			5:30		
9:00			12:00			3:00			6:00		

Weather Conditions: Sunny ☐ Partly Cloudy ☐ Overcast ☐ Rain Showers ☐ Rain ☐

Other Notes:

Additives:

rev. 03.16 supercedes all prior