



Contract Number	SR Number	Project Engineer	Mix ID Number	Pit Number	Date
Section		Contractor		<input type="checkbox"/> English Units <input type="checkbox"/> Metric Units	

	Jar 1	Jar 2	Sample greater than 1500g.
A = Sample Mass (wt)	[1]	[3]	grams
D = Mass (wt) - Pycnometer Jar, Water and Cover			grams
E = Mass (wt) - Pycnometer Jar, Sample, Water and Cover			grams
T - Water Temperature			°F (°C)
R - Temperature Correction Factor (From Table 2)			
F = Rice Specific Gravity $\frac{A}{A + D - E} \times R$	[2]	[4]	

Note: When a constant temperature water bath is used to maintain the water temperature at 77°F ± 1 (25°C ± 0.5) the temperature correction "R" should be 1. For all other water temperatures refer to table for the appropriate value for "R".

Rice Specific Gravity (Weighted Average)

$$\frac{([1] \times [2] + [3] \times [4])}{([1] + [3])} \left(\frac{[1]}{[1] + [3]} \times [2] + \frac{[3]}{[1] + [3]} \times [4] \right) = \underline{\hspace{2cm}}$$

Note: Calculate the Rice Specific Gravity "F" to 3 decimal places.

Rice Density (English Units) F x 62.24 lb/ft³ _____ x 62.24 lb/ft³ = _____ lb/ft³

Rice Density (Metric Units) F x 997 kg/m³ _____ x 997 kg/m³ = _____ kg/m³

Note: Calculate the Rice Density in Metric Units to the nearest whole number.
Calculate the Rice Density in English Units to the nearest 0.1 lb/ft³.

Average Rice Density Determination

The average of the five (5) most recent Rice Densities from a given JMF should be used for compaction control. If less than 5 Rice Densities are available, the averages will be based on the number of Rice Densities available, excluding mix design data. See test procedure for additional information.

#	Test Date	Rice Density	
(1)			lb/ft ³ (kg/m ³)
(2)			lb/ft ³ (kg/m ³)
(3)			lb/ft ³ (kg/m ³)
(4)			lb/ft ³ (kg/m ³)
(5)			lb/ft ³ (kg/m ³)
Running Average			lb/ft ³ (kg/m ³)

Note: Metric - Round to whole number. English - Round to 0.1 lb/ft³.

Tested By	Date
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