

Calculated Mix Design for 1 yd³

FOR: Millers Mini Mix

MIX: 5000 PSI - Air

DATE: 01-02-21

	MATERIALS					
	SOURCE	SP.G.	SSD WT.	VOLUME	BATCH WT.	
CEMENT	Lehigh type I II	3.15	658	3.35	658	Pounds
FLY ASH	None	2.71	0	0.00	0	0%
SAND*	Concrete Sand	2.64	1350	8.20	1406	Pounds
STONE #1	Concrete Stone	2.72	1691	9.96	1708	Pounds
STONE #2	None	2.74	0	0.00	0	Pounds
WATER	Approved Mix Water	1.00	31.0	4.14	22.5	Gallons
AIR %	With Cement	Total Air Content:		5.0%	1.35	5
WROZ/100	None	Oz. per 100 wt:	0.00	0	---	0
TOTAL WT			3957	27.0	3960	Pounds

* Sand is automatically adjusted.

Target Volume:	27.00
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Free Moisture:	SAND	4.0%
	STONE	1.0%

W/C RATIO:	0.39	pounds/pounds
Theo.. Unit Weight:	146.56	pounds/ft ³
Coarse Aggregate:	37	% of Total Volume
Coarse Aggregate:	34	% of Total Weight

THIS THEORETICAL DESIGN MUST BE VERIFIED BY TRIAL BATCH!

Comments: Keep slump at 4 - 5 inches when making concrete.