

Calculated Mix Design for 1 yd³

FOR: Millers Mini Mix

MIX: 4500 PSI - Air

DATE: 01-02-21

	MATERIALS					
	SOURCE	SP.G.	SSD WT.	VOLUME	BATCH WT.	
CEMENT	Lehigh type I II	3.15	611	3.11	611	Pounds
FLY ASH	None	2.71	0	0.00	0	0%
SAND*	Concrete Sand	2.56	1337	8.37	1392	Pounds
STONE #1	Concrete Stone	2.62	1691	10.36	1708	Pounds
STONE #2	None	2.74	0	0.00	0	Pounds
WATER	Approved Mix Water	1.00	28.5	3.81	20.1	Gallons
AIR %	With Cement	Total Air Content:		5.0%	1.35	5 Percent
WROZ/100	None	Oz. per 100 wt:	0.00	0	---	0 Ounces
TOTAL WT			3876	27.0	3879	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:	143.56	pounds/ft ³
Coarse Aggregate:	38	% 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.