

Holcim Lightweight Aggregates - Utelite Plant

Average Monthly Gradation Report
As Per A.S.T.M. C-136

DATE : Jun-24

Material - COARSE		SIEVES								
	# 3/4	# 1/2	# 3/8	# 4	# 8					
A.S.T.M. C-330 PASSING										
COARSE (1/2" TO # 4) :	100	90 - 100	40 - 80	0 - 20	0 - 10					
TEST RESULTS :	100.00	91.01	68.22	14.21	3.41					
RETAINED %	0.00	8.99	22.79	54.01	10.80			PAN 3.41		
WT/FT3	49.1	AVG. MOISTURE %		2.89	CALC. DRY WT. FT3		47.7			
Material - STRUCTURAL MEDIUM		SIEVES								
	# 1/2	# 3/8	# 4	# 8	# 16					
A.S.T.M. C-330 PASSING										
STR-MED (3/8" TO #8)	100	80 - 100	5 - 40	0 - 20	0 - 10					
TEST RESULTS :	100.00	90.11	9.59	0.92	0.60					
RETAINED %	0.00	9.89	80.52	8.67	0.32			PAN 0.60		
WT/FT3	50.3	AVG. MOISTURE %		2.70	CALC. DRY WT. FT3		48.9			
Material - FINES		SIEVES								
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.		
MANUFACTURER'S SPEC.								3.92		
PERCENT PASSING (# 4 TO 0) :	100	85 - 100	.....	15 - 55	.....	0 - 10	0 - 5	
TEST RESULTS :	100.00	96.90	59.10	32.80	14.05	3.95	1.55			
RETAINED %	0.00	3.10	37.80	26.30	18.75	10.10	2.40	PAN 1.55		
WT/FT3	54.8	AVG. MOISTURE %		4.32	CALC. DRY WT. FT3		52.4			
Material - CRUSHED FINES		SIEVES								
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.		
A.S.T.M. C-330 PASSING								3.11		
FINE (# 4 TO 0) :	100	85 - 100	.....	40 - 80	.....	10 - 35	5 - 25	
TEST RESULTS :	100.00	98.25	80.95	54.20	30.55	16.35	9.10			
RETAINED %	0	1.75	17.30	26.75	23.65	14.20	7.25	PAN 9.10		
WT/FT3	59.2	AVG. MOISTURE %		8.73	CALC. DRY WT. FT3		54.0			
Material - 10 MESH		SIEVES								
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.		
A.S.T.M. C-330 PASSING								2.41		
FINE (# 4 TO 0) :	100	100	90 - 100	60 - 80	35 - 50	.....	.....	
TEST RESULTS :	100.00	100.00	98.88	77.08	45.04	24.32	13.86			
RETAINED %	0.00	0.00	1.12	21.80	32.04	20.72	10.46	PAN 13.86		
WT/FT3	54.6	AVG. MOISTURE %		8.33	CALC. DRY WT. FT3		50.1			
Material - STRUCTURAL BLEND		SIEVES								
	# 1/2	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.	
MANUFACTURER'S SPEC.									2.94	
TEST RESULTS :	100	85 - 100	65 - 95	45 - 85	25 - 55	10 - 40	5 - 20	3 - 10		
	100.00	97.23	75.75	60.50	36.80	19.03	10.20	6.10		
RETAINED %	0	2.78	21.48	15.25	23.70	17.78	8.83	4.10	PAN 6.10	
WT/FT3	61.7	AVG. MOISTURE %		9.33	CALC. DRY WT. FT3		55.9			
Material - BLOCK BLEND		SIEVES								
	# 1/2	# 3/8	1/4"	# 4	# 8	# 16	# 30	# 50	# 100	F.M.
MANUFACTURER'S SPEC.										1.75
TEST RESULTS :	100	97 - 100	85 - 95	75 - 90	65 - 80	35 - 50	15 - 30	5 - 20	5 - 15	
	100.00	98.70	91.80	84.30	69.50	42.50	21.20	10.80	6.10	
RETAINED %	0	1.3	6.90	7.50	14.80	27.00	21.30	10.40	4.70	PAN 6.10
WT/FT3	57.8	AVG. MOISTURE %		4.25	CALC. DRY WT. FT3		55.3			
Material - A-CHIP		SIEVES								
	# 1/2	# 3/8	# 4	# 8	# 16					
UDOT SPEC.										
TEST RESULTS :	100	80 - 100	5 - 40	0 - 20	0 - 10					
	100.00	90.05	8.86	0.80	0.55					
RETAINED %	0.00	9.96	81.19	8.07	0.25			PAN 0.55		
WT/FT3	52.4	AVG. MOISTURE %			CALC. DRY WT. FT3					
Material - TYPE 3 C-CHIP		SIEVES								
	# 3/4	# 1/2	# 3/8	# 4	# 8	# 200				
UDOT SPEC.										
TEST RESULTS :	100	90 - 100	55 - 80	0 - 10	0 - 3	0 - 1				
	100.00	93.07	66.86	7.40	0.97	0.51				
RETAINED %	0.00	6.93	26.21	59.47	6.43	0.47			PAN 0.51	
WT/FT3	52.1	AVG. FLAKINESS %		17.4	CALC. DRY WT. FT3					