

Holcim Lightweight Aggregates - Utelite Plant

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

DATE : Jan-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	91.17	67.73	10.93	2.70					
RETAINED %	0.00	8.83	23.45	56.79	8.23		PAN 2.70			
WT/FT3	51.7	AVG. MOISTURE %		8.48	CALC. DRY WT. FT3		47.3			
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	94.43	18.44	1.37	0.68					
RETAINED %	0.00	5.57	75.99	17.08	0.69		PAN 0.68			
WT/FT3	50.7	AVG. MOISTURE %		7.57	CALC. DRY WT. FT3		46.9			
Material - FINES		SIEVES								
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.		
MANUFACTURER'S SPEC.								4.27		
PERCENT PASSING (# 4 TO 0) :	100	85 - 100	.....	15 - 55	.....	0 - 10	0 - 5	
TEST RESULTS :	100.00	98.00	57.90	15.90	1.10	0.20	0.20			
RETAINED %	0.00	2.00	40.10	42.00	14.80	0.90	0.00	PAN 0.20		
WT/FT3	54.6	AVG. MOISTURE %		2.63	CALC. DRY WT. FT3		53.2			
Material - CRUSHED FINES		SIEVES								
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.		
A.S.T.M. C-330 PASSING								3.25		
FINE (# 4 TO 0) :	100	85 - 100	.....	40 - 80	.....	10 - 35	5 - 25	
TEST RESULTS :	100.00	98.00	77.00	49.05	27.40	15.05	8.35			
RETAINED %	0	2.00	21.00	27.95	21.65	12.35	6.70	PAN 8.35		
WT/FT3	59.9	AVG. MOISTURE %		13.05	CALC. DRY WT. FT3		52.1			
Material - 10 MESH		SIEVES								
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.		
A.S.T.M. C-330 PASSING								2.58		
FINE (# 4 TO 0) :	100	100	90 - 100	60 - 80	35 - 50	.....	.....	
TEST RESULTS :	100.00	100.00	98.95	71.20	40.60	20.50	10.55			
RETAINED %	0.00	0.00	1.05	27.75	30.60	20.10	9.95	PAN 10.55		
WT/FT3	55.1	AVG. MOISTURE %		8.64	CALC. DRY WT. FT3		50.3			
Material - STRUCTURAL BLEND		SIEVES								
	# 1/2	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	F.M.	
MANUFACTURER'S SPEC.									3.28	
TEST RESULTS :	100	85 - 100	65 - 95	45 - 85	25 - 55	10 - 40	5 - 20	3 - 10		
	100.00	96.30	68.30	48.20	29.60	15.90	8.90	4.60		
RETAINED %	0	3.70	28.00	20.10	18.60	13.70	7.00	4.30	PAN 4.60	
WT/FT3	59.2	AVG. MOISTURE %		14.22	CALC. DRY WT. FT3		50.8			
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	92.76	14.71	0.64	0.56					
RETAINED %	0.00	7.25	78.05	14.07	0.09			PAN 0.56		
WT/FT3	52.9	AVG. MOISTURE %								
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	90.47	58.10	6.40	2.83	0.96				
RETAINED %	0.00	9.53	32.37	51.70	3.57	1.87		PAN 0.96		
WT/FT3	58.0	AVG. FLAKINESS %		16.0						