

**Holcim Lightweight Aggregates - Utelite Plant**

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

DATE : Sep-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	91.71	69.09	10.19	2.49				
RETAINED %	0.00	8.29	22.62	58.90	7.70		PAN		
WT/FT3	50.1	AVG. MOISTURE %		4.51	CALC. DRY WT. FT3		47.8		
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	91.00	11.70	1.42	0.87				
RETAINED %	0.00	9.00	79.30	10.28	0.54		PAN		
WT/FT3	51.1	AVG. MOISTURE %		3.24	CALC. DRY WT. FT3		49.4		
Material - FINES		SIEVES							
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100		
MANUFACTURER'S SPEC.									
PERCENT PASSING ( # 4 TO 0 ) :	100	85 - 100	.....	15 - 55	.....	0 - 10	0 - 5		
TEST RESULTS :	100.00	92.75	41.35	19.50	8.60	4.00	1.00		
RETAINED %	0.00	7.25	51.40	21.85	10.90	4.60	3.00		
WT/FT3	54.4	AVG. MOISTURE %		4.75	CALC. DRY WT. FT3		51.8		
Material - CRUSHED FINES		SIEVES							
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100		
A.S.T.M. C-330 PASSING									
FINE ( # 4 TO 0 ) :	100	85 - 100	.....	40 - 80	.....	10 - 35	5 - 25		
TEST RESULTS :	100.00	97.65	77.75	51.55	29.35	15.30	8.25		
RETAINED %	0	2.35	19.90	26.20	22.20	14.05	7.05		
WT/FT3	58.1	AVG. MOISTURE %		7.27	CALC. DRY WT. FT3		53.9		
Material - 10 MESH		SIEVES							
	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100		
A.S.T.M. C-330 PASSING									
FINE ( # 4 TO 0 ) :	100	100	90 - 100	60 - 80	35 - 50	.....	.....		
TEST RESULTS :	100.00	100.00	98.20	73.90	44.83	24.80	14.48		
RETAINED %	0.00	0.00	1.80	24.30	29.08	20.03	10.33		
WT/FT3	54.1	AVG. MOISTURE %		9.81	CALC. DRY WT. FT3		48.8		
Material - STRUCTURAL BLEND		SIEVES							
	# 1/2	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100	
MANUFACTURER'S SPEC.									
TEST RESULTS :	100	85 - 100	65 - 95	45 - 85	25 - 55	10 - 40	5 - 20	3 - 10	
	100.00	97.50	78.30	55.15	34.65	19.35	9.75	5.05	
RETAINED %	0	2.50	19.20	23.15	20.50	15.30	9.60	4.70	
WT/FT3	61.2	AVG. MOISTURE %		6.52	CALC. DRY WT. FT3		57.2		
Material - BLOCK BLEND		SIEVES							
	# 1/2	# 3/8	1/4"	# 4	# 8	# 16	# 30	# 50	# 100
MANUFACTURER'S SPEC.									
TEST RESULTS :	100	97 - 100	85 - 95	75 - 90	65 - 80	35 - 50	15 - 30	5 - 20	5 - 15
	100.00	98.50	89.10	78.90	66.30	40.30	22.50	12.10	6.60
RETAINED %	0	1.5	9.40	10.20	12.60	26.00	17.80	10.40	5.50
WT/FT3	60.4	AVG. MOISTURE %		15.00	CALC. DRY WT. FT3		51.3		
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	89.10	8.90	0.98	0.53				
RETAINED %	0.00	10.90	80.20	7.93	0.45		PAN		
WT/FT3	52.6	AVG. MOISTURE %					0.53		
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	91.00	66.67	7.65	1.56	0.51			
RETAINED %	0.00	9.00	24.34	59.02	6.09	1.05	PAN		
WT/FT3	53.1	AVG. FLAKINESS %		17.6	CALC. DRY WT. FT3		0.51		