

Holcim Lightweight Aggregates - Utelite Plant

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

DATE : Jun-23

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	91.38	71.22	16.91	2.99				
RETAINED %	0.00	8.63	20.16	54.31	13.93		PAN		
WT/FT3	50.9	AVG. MOISTURE %		2.34	CALC. DRY WT. FT3		49.7		
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	95.53	29.29	5.40	2.54				
RETAINED %	0.00	4.47	66.24	23.89	2.87		PAN		
WT/FT3	49.8	AVG. MOISTURE %		4.41	CALC. DRY WT. FT3		47.6		
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	96.70	43.00	16.70	8.40	4.90	2.70		
RETAINED %	0.00	3.30	53.70	26.30	8.30	3.50	2.20		
WT/FT3	56.2	AVG. MOISTURE %		5.63	CALC. DRY WT. FT3		53.0		
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	98.40	80.75	51.40	30.35	19.70	13.50		
RETAINED %	0	1.60	17.65	29.35	21.05	10.65	6.20		
WT/FT3	59.3	AVG. MOISTURE %		9.09	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	99.55	72.35	38.05	29.70	13.80		
RETAINED %	0.00	0.00	0.45	27.20	34.30	8.35	15.90		
WT/FT3	54.7	AVG. MOISTURE %		6.78	CALC. DRY WT. FT3		51.0		
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	96.10	78.40	55.90	31.40	17.10	10.00	6.20	
RETAINED %	0	3.90	17.70	22.50	24.50	14.30	7.10	3.80	
WT/FT3	58.2	AVG. MOISTURE %		10.43	CALC. DRY WT. FT3		52.1		
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	98.70	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
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	95.53	29.29	5.40	2.54				
RETAINED %	0.00	4.47	66.24	23.89	2.87		PAN		
WT/FT3	54.4	AVG. MOISTURE %			CALC. DRY WT. FT3		2.54		
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	92.25	62.18	6.46	1.34	0.43			
RETAINED %	0.00	7.75	30.06	55.72	5.12	0.92	PAN		
WT/FT3	54.7	AVG. FLAKINESS %		16.2	CALC. DRY WT. FT3		0.43		