Holcim Lightweight Aggregates - Utelite Plant

Average Monthly Gradation Report DATE : Feb-23

As Per A.S.T.M. C-136

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	93.02	68.71	4.53	1.41				
										PAN
RETAINED %		0.00	6.98	24.32	64.17	3.12				1.41
WT/FT3	52.1		AVG. MOISTURE %		5.70		CALC. DRY WT. FT3		49.1	

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	93.96	18.75	1.38	0.61				
										PAN
RETAINED %		0.00	6.04	75.22	17.37	0.77				0.61
WT/FT3	49.8		AVG. MOISTURE %		1.71		CALC. DRY WT. FT3		48.9	

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		
										PAN
RETAINED %		0.00	2.00	40.10	42.00	14.80	0.90	0.00		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										3.19
FINE (# 4 TO 0) :		100	85 - 100	.....	40 - 80	.....	10 - 35	5 - 25		
TEST RESULTS :		100.00	98.85	82.10	49.75	26.80	14.90	9.00		
										PAN
RETAINED %		0	1.15	16.75	32.35	22.95	11.90	5.90		9.00
WT/FT3	60.2		AVG. MOISTURE %		7.80		CALC. DRY WT. FT3		55.5	

Material - 10 MESH				SIEVES						
		# 3/8	# 4	# 8	# 16	# 30	# 50	# 100		F.M.
A.S.T.M. C-330 PASSING										2.53
FINE (# 4 TO 0) :		100	100	90 - 100	60 - 80	35 - 50	.....	.....		
TEST RESULTS :		100.00	100.00	99.15	71.80	40.65	22.10	13.40		
										PAN
RETAINED %		0.00	0.00	0.85	27.35	31.15	18.55	8.70		13.40
WT/FT3	57.6		AVG. MOISTURE %		7.95		CALC. DRY WT. FT3		53.0	

Material - STRUCTURAL BLEND					SIEVES						
		# 1/2	# 3/8	# 4	# 8	# 16	# 30	# 50	# 100		F.M.
MANUFACTURER'S SPEC.											2.94
		100	85 - 100	65 - 95	45 - 85	25 - 55	10 - 40	5 - 20	3 - 10		
TEST RESULTS :		100.00	97.23	75.75	60.50	36.80	19.03	10.20	6.10		
											PAN
RETAINED %		0	2.78	21.48	15.25	23.70	17.78	8.83	4.10		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
		100	97 - 100	85 - 95	75 - 90	65 - 80	35 - 50	15 - 30	5 - 20	5 - 15		
TEST RESULTS :		100.00	98.70	91.80	84.30	69.50	42.50	21.20	10.80	6.10		
												PAN
RETAINED %		0	1.3	6.90	7.50	14.80	27.00	21.30	10.40	4.70		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.										
		100	80 - 100	5 - 40	0 - 20	0 - 10				
TEST RESULTS :		100.00	93.98	18.64	1.38	0.61				
										PAN
RETAINED %		0.00	6.02	75.34	17.26	0.77				0.61
WT/FT3	49.8									

Material - TYPE 3 C-CHIP				SIEVES						
		# 3/4	# 1/2	# 3/8	# 4	# 8	# 200			
UDOT SPEC.										
		100	90 - 100	55 - 80	0 - 10	0 - 3	0 - 1			
TEST RESULTS :		100.00	93.76	67.67	6.23	1.46	0.46			
								PAN		
RETAINED %		0.00	6.24	26.09	61.44	4.77	1.00	0.46		
WT/FT3	52.1		AVG. FLAKINESS %		17.6					