

STALITE QUALITY CONTROL REPORT - 1/2" STRUCTURAL MATERIAL

Summary of Average Test Results by Month and Year

	January	February	March	April	May	June	July	August	September	October	November	December	Year
2003													
Relative Density	1.507	1.505	1.517	1.516	1.506	1.511	1.511	1.515	1.509	1.527	1.526	1.520	1.514
Standard Deviation	0.029	0.032	0.016	0.019	0.029	0.025	0.027	0.022	0.024	0.019	0.035	0.016	0.025
Std Dev / Avg (%)	1.91%	2.16%	1.03%	1.28%	1.90%	1.69%	1.81%	1.48%	1.57%	1.26%	2.32%	1.05%	1.68%
Number of tests	23	21	20	21	21	21	22	22	26	23	18	22	260
2004													
Relative Density	1.530	1.510	1.514	1.533	1.540	1.542	1.535	1.520	1.521	1.523	1.519	1.516	1.526
Standard Deviation	0.020	0.029	0.021	0.029	0.026	0.021	0.033	0.018	0.016	0.015	0.022	0.016	0.024
Std Dev / Avg (%)	1.29%	1.95%	1.36%	1.87%	1.72%	1.38%	2.17%	1.21%	1.03%	0.96%	1.47%	1.05%	1.60%
Number of tests	27	20	23	23	25	28	24	24	26	24	20	24	288
2005													
Relative Density	1.504	1.493	1.515	1.525	1.516	1.506	1.496	1.503	1.517	1.510	1.502	1.491	1.506
Standard Deviation	0.023	0.021	0.020	0.025	0.024	0.031	0.030	0.027	0.026	0.041	0.029	0.021	0.027
Std Dev / Avg (%)	1.53%	1.39%	1.33%	1.66%	1.56%	2.03%	1.99%	1.82%	1.70%	2.71%	1.91%	1.42%	1.80%
Number of tests	121	25	38	35	35	33	40	26	26	21	27	42	469
2006													
Relative Density	1.480	1.494	1.497	1.519	1.523	1.529	1.522	1.510	1.516	1.531	1.527	1.521	1.508
Standard Deviation	0.044	0.033	0.030	0.030	0.037	0.037	0.030	0.032	0.027	0.020	0.024	0.029	0.038
Std Dev / Avg (%)	3.00%	2.21%	2.00%	1.97%	2.45%	2.41%	1.99%	2.14%	1.81%	1.28%	1.55%	1.91%	2.50%
Number of tests	43	32	41	28	36	29	19	22	24	23	21	20	285
2007													
Relative Density	1.524	1.525	1.534	1.507	1.523	1.512	1.504	1.522	1.526	1.507	1.519	1.508	1.518
Standard Deviation	0.022	0.023	0.019	0.032	0.020	0.033	0.039	0.027	0.024	0.023	0.028	0.029	0.028
Std Dev / Avg (%)	1.47%	1.50%	1.27%	2.12%	1.29%	2.19%	2.60%	1.74%	1.55%	1.51%	1.84%	1.93%	1.84%
Number of tests	24	23	23	21	25	24	21	22	19	24	23	19	268

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Density (pcf)	50.40	50.85	51.91	52.20	52.13	51.74	51.85	51.55	51.42	52.10	51.93	51.90	51.65
Standard Deviation	1.58	1.14	0.97	1.25	1.54	1.24	1.29	1.22	1.40	1.09	1.04	0.77	1.32
Std Dev / Avg (%)	3.14%	2.24%	1.88%	2.39%	2.96%	2.40%	2.49%	2.36%	2.72%	2.09%	2.01%	1.49%	2.56%
2004													
Density (pcf)	51.81	51.86	52.06	51.92	51.83	51.70	51.78	51.45	51.08	52.13	50.70	50.74	51.60
Standard Deviation	1.57	1.17	1.43	1.35	1.19	0.87	1.07	1.15	1.18	1.26	1.11	1.19	1.29
Std Dev / Avg (%)	3.04%	2.26%	2.74%	2.61%	2.30%	1.68%	2.07%	2.23%	2.31%	2.42%	2.19%	2.35%	2.49%
2005													
Density (pcf)	50.41	49.53	50.28	50.80	50.74	50.10	50.06	50.13	49.70	47.42	50.01	48.56	49.98
Standard Deviation	1.66	1.20	1.47	1.40	1.33	1.66	1.15	1.85	1.60	2.40	1.61	2.01	1.80
Std Dev / Avg (%)	3.30%	2.43%	2.93%	2.75%	2.62%	3.30%	2.29%	3.68%	3.21%	5.07%	3.21%	4.15%	3.59%
2006													
Density (pcf)	50.16	48.78	49.92	50.95	49.57	50.67	50.29	50.16	50.73	50.16	50.72	51.12	50.08
Standard Deviation	1.94	1.50	2.21	1.31	1.84	2.13	2.01	2.53	1.52	1.11	1.93	1.17	1.96
Std Dev / Avg (%)	3.86%	3.08%	4.43%	2.58%	3.71%	4.21%	4.00%	5.05%	2.99%	2.22%	3.80%	2.29%	3.91%
2007													
Density (pcf)	49.28	49.83	50.87	50.28	49.62	49.85	48.54	50.49	50.36	48.55	48.54	47.87	49.36
Standard Deviation	2.00	1.82	1.90	2.70	1.59	1.79	1.76	2.69	1.85	2.38	2.31	1.92	3.35
Std Dev / Avg (%)	4.06%	3.65%	3.73%	5.37%	3.20%	3.59%	3.63%	5.34%	3.68%	4.90%	4.76%	4.01%	6.78%

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2003													
Moisture Content (%)	5.17	5.27	10.17	11.68	10.06	8.63	10.51	8.50	9.45	10.27	9.88	9.60	9.08
Standard Deviation	2.56	2.85	2.99	1.66	2.36	3.14	2.46	2.85	2.70	2.16	2.26	3.14	3.21
Std Dev / Avg (%)	49.52%	54.03%	29.42%	14.18%	23.42%	36.42%	23.39%	33.53%	28.52%	21.00%	22.84%	32.68%	35.36%
2004													
Moisture Content (%)	5.83	6.75	8.08	10.15	9.65	8.99	9.52	10.03	10.33	11.38	11.04	8.59	9.17
Standard Deviation	2.54	2.32	2.30	2.50	2.15	2.13	1.91	1.82	2.18	1.74	2.21	2.85	2.71
Std Dev / Avg (%)	43.47%	34.34%	28.51%	24.63%	22.30%	23.69%	20.03%	18.15%	21.07%	15.30%	19.99%	33.16%	29.55%
2005													
Moisture Content (%)	5.89	7.88	8.63	7.66	9.17	8.36	8.86	8.71	8.44	9.47	8.35	3.66	7.42
Standard Deviation	2.67	3.37	3.13	2.97	2.73	2.88	2.51	2.46	3.38	2.89	2.68	2.60	3.26
Std Dev / Avg (%)	45.36%	42.82%	36.24%	38.76%	29.82%	34.45%	28.33%	28.23%	40.06%	30.54%	32.10%	70.99%	43.91%
2006													
Moisture Content (%)	5.03	5.63	9.33	9.31	7.54	8.91	6.53	8.27	7.93	9.69	8.47	7.46	7.55
Standard Deviation	2.80	3.72	3.15	3.24	2.89	3.47	3.32	2.58	2.97	3.08	3.68	3.23	3.46
Std Dev / Avg (%)	55.65%	66.14%	33.77%	34.78%	38.30%	39.01%	50.90%	31.22%	37.40%	31.85%	43.41%	43.29%	45.78%
2007													
Moisture Content (%)	4.59	5.36	7.93	10.33	8.42	7.58	6.93	7.44	8.04	6.91	5.93	7.46	7.38
Standard Deviation	2.08	2.85	4.13	3.42	3.04	3.33	2.99	3.63	2.99	3.00	2.79	4.84	4.50
Std Dev / Avg (%)	45.44%	53.13%	52.11%	33.15%	36.08%	44.00%	43.13%	48.76%	37.18%	43.39%	47.00%	64.81%	60.95%