

Total Immersion Absorption (Disks & Fragments)

Sample	Treatment	Treated Initial Weight	Wgt. after immersion 5 min.	Wgt. after immersion 30 min.	Wgt. after immersion 1 hour	Wgt. after immersion 2 hours	Wgt. after immersion 3 hours	Wgt after immersion 6 hours	Wgt after immersion 24 hours
A-1	Untreated	55.09	56.21	56.21	56.80	56.81	56.83	56.83	56.91
A-2	Untreated	31.95	33.55	33.55	33.56	33.57	33.60	33.60	33.60
A-3	Untreated	30.11	31.46	31.46	31.48	31.48	31.48	31.48	31.48
A-4b	Keim Dilution Purkristalt (Brush Applied)	34.14	35.56	35.56	35.52	35.49	35.51	35.50	35.49
A-5b	Keim Granital (Brush Applied)	30.25	31.41	31.41	31.46	31.45	31.48	31.47	31.47
A-6b	Keim Restauro (Brush Applied)	28.74	29.92	29.92	29.95	29.95	29.92	29.91	29.91
B-1	Untreated	39.30	42.91	42.91	42.97	42.96	42.97	42.97	48.98
B-2	Untreated	30.17	31.60	31.60	31.64	31.64	31.64	31.64	31.66
B-3	Untreated	33.45	34.85	34.85	34.89	34.88	34.89	34.88	34.89
B-4	Untreated	31.97	33.31	33.31	33.36	32.36	33.37	33.37	33.41
B-5b	Prosoco H100 (Brush Applied)	33.29	33.41	33.41	33.60	33.61	33.67	33.73	33.95
B-6b	Prosoco OH100 (Brush Applied)	35.09	36.44	36.44	36.55	36.54	36.55	36.59	36.58
C-1	Keim Silex OH (Brush Applied)	68.78	73.48	73.48	73.82	73.81	73.76	73.76	73.83
C-2	Keim Silex OH (Brush Applied)	29.84	31.36	31.36	32.05	32.06	32.05	32.05	32.05
C-3	Decothane (Brush Applied)	33.68	35.67	35.67	35.71	35.68	35.69	35.67	36.65
C-4	Decothane (Brush Applied)	28.30	29.95	29.95	29.95	29.94	29.97	29.97	29.99
C-5	Keim Dilution (saturated)	28.20	29.13	29.13	29.34	29.34	29.34	29.37	29.37
C-6	Keim Granital (saturated)	29.99	30.58	30.58	31.20	31.36	31.44	31.46	31.52
C-8	Untreated (DUMMY)	29.79	30.79	30.79	30.84	30.76	30.79	30.80	30.80
C-9	Keim Restauro (saturated)	25.00	25.25	25.25	25.82	25.88	25.95	26.08	26.27
C-10	Keim Silex H (saturated)	30.53	30.66	30.66	30.68	30.68	30.69	30.69	30.75
C-11	Keim Silex OH (saturated)	25.02	26.02	26.02	26.04	26.02	26.02	26.02	26.02
D-1	Silex H (Brush Applied)	51.30	51.59	51.59	51.82	51.94	51.97	52.09	52.55
D-2	Silex H (Brush Applied)	30.43	30.62	30.62	30.76	30.80	30.82	30.94	31.26
D-3	H100 Conservare (saturated)	29.62	29.76	29.76	29.86	29.85	29.88	29.90	30.01
D-4	OH100 (saturated)	33.30	34.30	34.30	34.34	34.26	34.28	34.29	34.29

Weight Percent Absorption

Sample	Treatment	Wgt. % Absorption after 5 mins.	Wgt. % Absorption after 30 mins	Wgt. % Absorption after 1hrs	Wgt. % Absorption after 2 hrs	Wgt. % Absorption after 3 hrs	Wgt. % Absorption after 6 hrs	Wgt. % Absorption after 24 hrs
A-1	Untreated	2.03%	2.03%	3.10%	3.12%	3.16%	3.16%	3.30%
A-2	Untreated	5.01%	5.01%	5.04%	5.07%	5.16%	5.16%	5.16%
A-3	Untreated	4.48%	4.48%	4.55%	4.55%	4.55%	4.55%	4.55%
A-4b	Keim Dilution Purkristalt (Brush Applied)	4.16%	4.16%	4.04%	3.95%	4.01%	3.98%	3.95%
A-5b	Keim Granital (Brush Applied)	3.83%	3.83%	0.16%	3.97%	4.07%	4.03%	4.03%
A-6b	Keim Restauo (Brush Applied)	4.11%	4.11%	4.21%	4.21%	4.11%	4.07%	4.07%
B-1	Untreated	9.19%	9.19%	9.34%	9.31%	9.34%	9.34%	24.63%
B-2	Untreated	4.74%	4.74%	4.87%	4.87%	4.87%	4.87%	4.94%
B-3	Untreated	4.19%	4.19%	4.30%	4.28%	4.30%	4.28%	4.30%
B-4	Untreated	4.19%	4.19%	4.35%	1.22%	4.38%	4.38%	4.50%
B-5b	Prosoco H100 (Brush Applied)	0.36%	0.36%	0.93%	0.96%	1.14%	1.32%	1.98%
B-6b	Prosoco OH100 (Brush Applied)	3.85%	3.85%	4.16%	4.13%	4.16%	4.27%	4.25%
C-1	Keim Silex OH (Brush Applied)	6.83%	6.83%	7.33%	7.31%	7.24%	7.24%	7.34%
C-2	Keim Silex OH (Brush Applied)	5.09%	5.09%	7.41%	7.44%	7.41%	7.41%	7.41%
C-3	Decothane (Brush Applied)	5.91%	5.91%	6.03%	5.94%	5.97%	5.91%	8.82%
C-4	Decothane (Brush Applied)	5.83%	5.83%	5.83%	5.80%	5.90%	5.90%	5.97%
C-5	Keim Dilution (saturated)	3.30%	3.30%	4.04%	4.04%	4.04%	4.15%	4.15%
C-6	Keim Granital (saturated)	1.97%	1.97%	4.03%	4.57%	4.83%	4.90%	5.10%
C-8	Untreated (DUMMY)	3.36%	3.36%	3.52%	3.26%	3.36%	3.39%	3.39%
C-9	Keim Restauo (saturated)	1.00%	1.00%	3.28%	3.52%	3.80%	4.32%	5.08%
C-10	Keim Silex H (saturated)	0.43%	0.43%	0.49%	0.49%	0.52%	0.52%	0.72%
C-11	Keim Silex OH (saturated)	4.00%	4.00%	4.08%	4.00%	4.00%	4.00%	4.00%
D-1	Silex H (Brush Applied)	0.57%	0.57%	1.01%	1.25%	1.31%	1.54%	2.44%
D-2	Silex H (Brush Applied)	0.62%	0.62%	1.08%	1.22%	1.28%	1.68%	2.73%
D-3	H100 Conservare (saturated)	0.47%	0.47%	0.81%	0.78%	0.88%	0.95%	1.32%
D-4	OH100 (saturated)	3.00%	3.00%	3.12%	2.88%	2.94%	2.97%	2.97%

Weight Percent Absorption Summary

Samples (UNTREATED)	5	30	60	120	180	360	1440
Untreated	4.65%	4.65%	4.89%	4.46%	4.89%	4.89%	6.85%
Samples (SATURATED)	5	30	60	120	180	360	1440
Prosoco H100	0.47%	0.47%	0.81%	0.78%	0.88%	0.95%	1.32%
Prosoco OH100	3.00%	3.00%	3.12%	2.88%	2.94%	2.97%	2.97%
Keim Silex H	0.43%	0.43%	0.49%	0.49%	0.52%	0.52%	0.72%
Keim Silex OH	4.00%	4.00%	4.08%	4.00%	4.00%	4.00%	4.00%
Keim Dilution Purkristalt	3.30%	3.30%	4.04%	4.04%	4.04%	4.15%	4.15%
Keim Granital	1.97%	1.97%	4.03%	4.57%	4.83%	4.90%	5.10%
Keim Restauro	1.00%	1.00%	3.28%	3.52%	3.80%	4.32%	5.08%
Samples (BRUSH APPLIED)	5	30	60	120	180	360	1440
Prosoco H100	0.36%	0.36%	0.93%	0.96%	1.14%	1.32%	1.98%
Prosoco OH100	3.85%	3.85%	4.16%	4.13%	4.16%	4.27%	4.25%
Keim Silex H	0.62%	0.62%	0.47%	0.81%	0.78%	0.88%	0.95%
Keim Silex OH	6.83%	6.83%	7.33%	7.31%	7.24%	7.24%	7.34%
Keim Dilution Purkristalt	4.16%	4.16%	4.04%	3.95%	4.01%	3.98%	3.95%
Keim Granital	3.83%	3.83%	0.16%	3.97%	4.07%	4.03%	4.03%
Keim Restauro	4.11%	4.11%	4.21%	4.21%	4.11%	4.07%	4.07%

Total Immersion Absorption Test (Saturated Only)

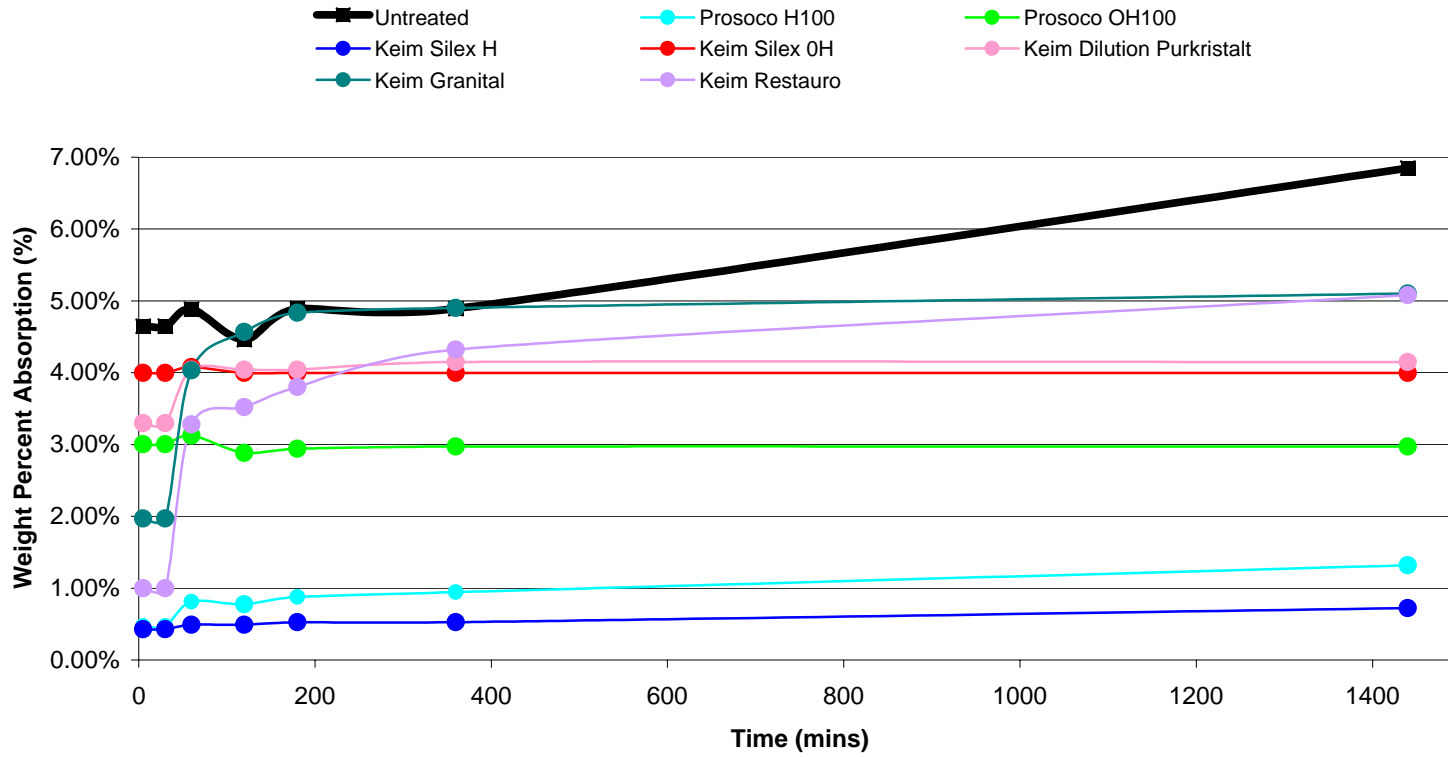


Table 5-Consolidant Uptake of Sandstone Samples*

<i>Sample</i>	<i>Treatment</i>	<i>Initial Weight (grams)</i>	<i>Cured Weight (grams)</i>	<i>Weight Change (grams)</i>	<i>Percent Weight Change (%)</i>
C-5	Keim Dilution (saturated)	27.25	28.20	0.95	3%
C-6	Keim Granital (saturated)	29.78	29.99	0.21	1%
C-9	Keim Restauro (saturated)	24.85	25.00	0.15	1%
C-10	Keim Silex H (saturated)	29.074	30.53	1.46	5%
C-11	Keim Silex 0H (saturated)	23.85	25.02	1.17	5%
D-3	H100 Conservare (saturated)	29.16	29.62	0.46	2%
D-4	OH100 (saturated)	32.38	33.30	0.92	3%