

## NATURAL CEMENT TESTS.

Tests of Cements made by the Government during progress of work at Kingston Graving Dock, 1891.  
by Louis Coste, Acting Chief Engineer, Ottawa.

		Time in Water.	Thorold Cement.	Queenston Cement.	Napanee Cement.	
Thorold was the Only	Test with 1 per cent salt in water for tensile strain.	30 days	177.10	183.00	104.40	2,000 Barrels Thorold Cement used in Kingston Graving Dock.
		60 days	270.40	210.10	187.	
		90 days	297.50	213.80	193.10	
Canadian Natural Cement used in this Work.	Test with 8 per cent salt in water for tensile strain.	30 days	189.60	172.40	110.80	
		60 days	201.80	183.10	115.50	
		90 days	243.60	224.40	130.00	
	Test with 2 per cent salt in water for tensile strain.	30 days	396.90	160.20	136.80	
		60 days	203.50	183.50	138.	
		90 days	217.10	230.80	152.40	
	Test with 12 per cent salt in water for tensile strain.	30 days	323.10	164.40	197.00	
		60 days	331.70	175.80	207.30	
		90 days	344.30	189.30	218.50	

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## QUEENSTON CEMENT STANDS AT THE HEAD OF ALL CANADIAN NATURAL CEMENTS

Tests of Cements made by the Government during progress of work at Kingston Graving Dock, 1892, by Louis Coste, Acting Chief Engineer, Ottawa.

	TIME IN WATER.	C.B. Wright & Sons, Portland	English Portland Anchor Brand	German Portland Lion Brand	Svensko Portland	Montreal Imperial Portland	Queenston Cement	Thorold Cement	Quebec Cement	Napanee Cement
Average tensile strength of 25 to 50 lb. briquettes each, 1 in. square, made of neat cement consistency of mortar.	7 days	371.04	319.04	192.96	357.12	340.32	93.12	51.20	69.00	23.52
	3 mths	523.70	445.96	212.32	523.44	447.00	190.80	130.28	111.72	55.32
	6 "	519.12	519.20	330.34	531.84	448.20	349.56	257.88	214.00	134.24
	9 "	634.52	625.20	391.76	589.72	530.20	308.24	325.40	311.80	178.68
Average tensile strength of 25 to 50 lb. briquettes of each Cement, 1 in. sq. ne Cement run in mould.	7 days	376.12	407.70	391.80	431.72	343.32	106.18	246.92	172.02	69.02
	3 mths	521.22	512.30	375.40	532.40	423.88	271.08	131.02	161.16	60.72
	6 "	537.94	514.30	420.00	688.20	510.24	477.58	314.70	255.92	153.06
	9 "	614.74	625.40	427.00	636.84	512.88	472.16	313.30	400.32	236.82
	12 "	637.24	601.12	408.20	618.52	516.08	484.84	389.98	380.32	254.00
		619.24	628.40	416.12	610.56	536.12	508.88	436.32	390.00	278.00

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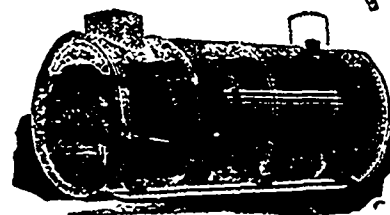
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