

## Compression Strength Data Sample

	Sample	Cement	Sand	Aggregate	FA	Cyclodextrin	Water	Days	Load 1	Comp. 1	Load 2	Comp. 2	Load 3	Comp. 3
		kg	kg	kg	kg	kg	kg	count	kN	MPa	kN	MPa	kN	MPa
Batch A w/b = 0.5	C (A)	450	720	1076	0	0	225	7	396	39.6	415	41.5	416	41.6
	C (A)	450	720	1076	0	0	225	14	532	53.2	534	53.4	520	52
	C (A)	450	720	1076	0	0	225	28	614	61.4	625	62.5	620	62
	C (A)	450	720	1076	0	0	225	90	708	70.8	690	69	683	68.3
	C (A)	450	720	1076	0	0	225	180	745	74.5	752	75.2	748	74.8
	C30FA (A)	315	720	1076	135	0	225	7	219	21.9	219	21.9	214	21.4
	C30FA (A)	315	720	1076	135	0	225	14	390	39	395	39.5	405	40.5
	C30FA (A)	315	720	1076	135	0	225	28	431	43.1	434	43.4	442	44.2
	C30FA (A)	315	720	1076	135	0	225	90	583	58.3	590	59	585	58.5
	C30FA (A)	315	720	1076	135	0	225	180	690	69	695	69.5	700	70
	C50FA (A)	225	720	1076	225	0	225	7	151	15.1	155	15.5	149	14.9
	C50FA (A)	225	720	1076	225	0	225	14	214	21.4	222	22.2	219	21.9
	C50FA (A)	225	720	1076	225	0	225	28	261	26.1	267	26.7	270	27
	C50FA (A)	225	720	1076	225	0	225	90	429	42.9	425	42.5	422	42.2
	C50FA (A)	225	720	1076	225	0	225	180	582	58.2	589	58.9	594	59.4
	C0.025CD (A)	449.89	720	1076	0	0.1125	225	7	432	43.2	436	43.6	437	43.7
	C0.025CD (A)	449.89	720	1076	0	0.1125	225	14	540	54	562	56.2	552	55.2
	C0.025CD (A)	449.89	720	1076	0	0.1125	225	28	610	61	608	60.8	615	61.5
	C0.025CD (A)	449.89	720	1076	0	0.1125	225	90	689	68.9	690	69	692	69.2
	C0.025CD (A)	449.89	720	1076	0	0.1125	225	180	739	73.9	740	74	745	74.5
	C0.05CD (A)	449.78	720	1076	0	0.225	225	7	448	44.8	456	45.6	445	44.5
	C0.05CD (A)	449.78	720	1076	0	0.225	225	14	566	56.6	565	56.5	568	56.8
	C0.05CD (A)	449.78	720	1076	0	0.225	225	28	621	62.1	620	62	625	62.5
	C0.05CD (A)	449.78	720	1076	0	0.225	225	90	710	71	692	69.2	698	69.8
	C0.05CD (A)	449.78	720	1076	0	0.225	225	180	789	78.9	790	79	792	79.2
	C0.1CD (A)	449.55	720	1076	0	0.45	225	7	395	39.5	397	39.7	416	41.6
	C0.1CD (A)	449.55	720	1076	0	0.45	225	14	534	53.4	540	54	535	53.5
	C0.1CD (A)	449.55	720	1076	0	0.45	225	28	596	59.6	600	60	602	60.2
	C0.1CD (A)	449.55	720	1076	0	0.45	225	90	700	70	698	69.8	697	69.7
	C0.1CD (A)	449.55	720	1076	0	0.45	225	180	776	77.6	772	77.2	770	77
	C30FA0.025CD (A)	315	720	1076	134.89	0.1125	225	7	279	27.9	307	30.7	283	28.3
	C30FA0.025CD (A)	315	720	1076	134.89	0.1125	225	14	440	44	437	43.7	434	43.4
	C30FA0.025CD (A)	315	720	1076	134.89	0.1125	225	28	487	48.7	491	49.1	493	49.3
	C30FA0.025CD (A)	315	720	1076	134.89	0.1125	225	90	626	62.6	624	62.4	622	62.2
	C30FA0.025CD (A)	315	720	1076	134.89	0.1125	225	180	742	74.2	740	74	738	73.8
	C30FA0.05CD (A)	315	720	1076	134.78	0.225	225	7	277	27.7	289	28.9	279	27.9
	C30FA0.05CD (A)	315	720	1076	134.78	0.225	225	14	470	47	475	47.5	469	46.9
	C30FA0.05CD (A)	315	720	1076	134.78	0.225	225	28	520	52	525	52.5	522	52.2
	C30FA0.05CD (A)	315	720	1076	134.78	0.225	225	90	655	65.5	658	65.8	660	66
	C30FA0.05CD (A)	315	720	1076	134.78	0.225	225	180	765	76.5	767	76.7	766	76.6
	C30FA0.1CD (A)	315	720	1076	134.55	0.45	211.5	7	395	39.5	397	39.7	416	41.6
	C30FA0.1CD (A)	315	720	1076	134.55	0.45	211.5	14	534	53.4	540	54	535	53.5
	C30FA0.1CD (A)	315	720	1076	134.55	0.45	211.5	28	596	59.6	600	60	602	60.2
	C30FA0.1CD (A)	315	720	1076	134.55	0.45	211.5	90	700	70	698	69.8	697	69.7
	C30FA0.1CD (A)	315	720	1076	134.55	0.45	211.5	180	776	77.6	772	77.2	770	77
	C50FA0.025CD (A)	225	720	1076	224.89	0.1125	211.5	7	196	19.6	200	20	203	20.3
	C50FA0.025CD (A)	225	720	1076	224.89	0.1125	211.5	14	258	25.8	257	25.7	257	25.7
	C50FA0.025CD (A)	225	720	1076	224.89	0.1125	211.5	28	320	32	322	32.2	325	32.5
	C50FA0.025CD (A)	225	720	1076	224.89	0.1125	211.5	90	460	46	462	46.2	459	45.9
	C50FA0.025CD (A)	225	720	1076	224.89	0.1125	211.5	180	645	64.5	640	64	639	63.9
	C50FA0.05CD (A)	225	720	1076	224.78	0.225	202.5	7	218	21.8	222	22.2	220	22
	C50FA0.05CD (A)	225	720	1076	224.78	0.225	202.5	14	296	29.6	300	30	298	29.8
	C50FA0.05CD (A)	225	720	1076	224.78	0.225	202.5	28	431	43.1	436	43.6	433	43.3
	C50FA0.05CD (A)	225	720	1076	224.78	0.225	202.5	90	510	51	508	50.8	515	51.5
	C50FA0.05CD (A)	225	720	1076	224.78	0.225	202.5	180	691	69.1	690	69	695	69.5
	C50FA0.1CD (A)	225	720	1076	224.55	0.45	202.5	7	215	21.5	210	21	211	21.1
	C50FA0.1CD (A)	225	720	1076	224.55	0.45	202.5	14	264	26.4	266	26.6	261	26.1
	C50FA0.1CD (A)	225	720	1076	224.55	0.45	202.5	28	395	39.5	392	39.2	390	39
	C50FA0.1CD (A)	225	720	1076	224.55	0.45	202.5	90	498	49.8	492	49.2	498	49.8
	C50FA0.1CD (A)	225	720	1076	224.55	0.45	202.5	180	664	66.4	661	66.1	660	66

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	Sample	Cement	Sand	Aggregate	FA	Cyclodextrin	Water	Days	Load 1	Comp. 1	Load 2	Comp. 2	Load 3	Comp. 3
		kg	kg	kg	kg	kg	kg	count	kN	MPa	kN	MPa	kN	MPa
Batch B w/b = 0.4	C (B)	520	650	1000	0	0	208	7	569	56.9	575	57.5	571	57.1
	C (B)	520	650	1000	0	0	208	14	661	66.1	662	66.2	663	66.3
	C (B)	520	650	1000	0	0	208	28	741	74.1	732	73.2	745	74.5
	C (B)	520	650	1000	0	0	208	90	848	84.8	855	85.5	852	85.2
	C (B)	520	650	1000	0	0	208	180	902	90.2	909	90.9	906	90.6
	C30FA (B)	364	650	1000	156	0	208	7	387	38.7	388	38.8	383	38.3
	C30FA (B)	364	650	1000	156	0	208	14	470	47	471	47.1	475	47.5
	C30FA (B)	364	650	1000	156	0	208	28	574	57.4	578	57.8	578	57.8
	C30FA (B)	364	650	1000	156	0	208	90	825	82.5	822	82.2	828	82.8
	C30FA (B)	364	650	1000	156	0	208	180	935	93.5	932	93.2	940	94
	C50FA (B)	260	650	1000	260	0	208	7	244	24.4	244	24.4	250	25
	C50FA (B)	260	650	1000	260	0	208	14	330	33	327	32.7	332	33.2
	C50FA (B)	260	650	1000	260	0	208	28	424	42.4	425	42.5	424	42.4
	C50FA (B)	260	650	1000	260	0	208	90	525	52.5	530	53	532	53.2
	C50FA (B)	260	650	1000	260	0	208	180	730	73	725	72.5	723	72.3
	C0.025CD (B)	519.87	650	1000	0	0.13	208	7	592	59.2	590	59	595	59.5
	C0.025CD (B)	519.87	650	1000	0	0.13	208	14	670	67	665	66.5	671	67.1
	C0.025CD (B)	519.87	650	1000	0	0.13	208	28	775	77.5	772	77.2	770	77
	C0.025CD (B)	519.87	650	1000	0	0.13	208	90	860	86	865	86.5	868	86.8
	C0.025CD (B)	519.87	650	1000	0	0.13	208	180	909	90.9	910	91	906	90.6
	C0.05CD (B)	519.74	650	1000	0	0.26	208	7	606	60.6	607	60.7	606	60.6
	C0.05CD (B)	519.74	650	1000	0	0.26	208	14	681	68.1	684	68.4	685	68.5
	C0.05CD (B)	519.74	650	1000	0	0.26	208	28	791	79.1	791	79.1	795	79.5
	C0.05CD (B)	519.74	650	1000	0	0.26	208	90	887	88.7	885	88.5	890	89
	C0.05CD (B)	519.74	650	1000	0	0.26	208	180	954	95.4	960	96	952	95.2
	C0.1CD (B)	519.48	650	1000	0	0.52	208	7	596	59.6	598	59.8	600	60
	C0.1CD (B)	519.48	650	1000	0	0.52	208	14	670	67	675	67.5	672	67.2
	C0.1CD (B)	519.48	650	1000	0	0.52	208	28	788	78.8	783	78.3	784	78.4
	C0.1CD (B)	519.48	650	1000	0	0.52	208	90	874	87.4	870	87	872	87.2
	C0.1CD (B)	519.48	650	1000	0	0.52	208	180	932	93.2	927	92.7	929	92.9
	C30FA0.025CD (B)	364	650	1000	155.87	0.13	208	7	389	38.9	395	39.5	384	38.4
	C30FA0.025CD (B)	364	650	1000	155.87	0.13	208	14	472	47.2	475	47.5	479	47.9
	C30FA0.025CD (B)	364	650	1000	155.87	0.13	208	28	600	60	610	61	605	60.5
	C30FA0.025CD (B)	364	650	1000	155.87	0.13	208	90	856	85.6	855	85.5	850	85
	C30FA0.025CD (B)	364	650	1000	155.87	0.13	208	180	952	95.2	945	94.5	943	94.3
	C30FA0.05CD (B)	364	650	1000	155.74	0.26	208	7	404	40.4	408	40.8	400	40
	C30FA0.05CD (B)	364	650	1000	155.74	0.26	208	14	498	49.8	508	50.8	505	50.5
	C30FA0.05CD (B)	364	650	1000	155.74	0.26	208	28	634	63.4	640	64	642	64.2
	C30FA0.05CD (B)	364	650	1000	155.74	0.26	208	90	880	88	878	87.8	874	87.4
	C30FA0.05CD (B)	364	650	1000	155.74	0.26	208	180	966	96.6	970	97	961	96.1
	C30FA0.1CD (B)	364	650	1000	155.48	0.52	208	7	395	39.5	400	40	398	39.8
	C30FA0.1CD (B)	364	650	1000	155.48	0.52	208	14	483	48.3	488	48.8	501	50.1
	C30FA0.1CD (B)	364	650	1000	155.48	0.52	208	28	625	62.5	620	62	615	61.5
	C30FA0.1CD (B)	364	650	1000	155.48	0.52	208	90	864	86.4	859	85.9	863	86.3
	C30FA0.1CD (B)	364	650	1000	155.48	0.52	208	180	864	86.4	859	85.9	863	86.3
	C50FA0.025CD (B)	260	650	1000	259.87	0.13	208	7	232	23.2	225	22.5	228	22.8
	C50FA0.025CD (B)	260	650	1000	259.87	0.13	208	14	341	34.1	344	34.4	348	34.8
	C50FA0.025CD (B)	260	650	1000	259.87	0.13	208	28	462	46.2	466	46.6	465	46.5
	C50FA0.025CD (B)	260	650	1000	259.87	0.13	208	90	571	57.1	569	56.9	568	56.8
	C50FA0.025CD (B)	260	650	1000	259.87	0.13	208	180	766	76.6	769	76.9	766	76.6
	C50FA0.05CD (B)	260	650	1000	259.74	0.26	208	7	265	26.5	267	26.7	269	26.9
	C50FA0.05CD (B)	260	650	1000	259.74	0.26	208	14	372	37.2	376	37.6	377	37.7
	C50FA0.05CD (B)	260	650	1000	259.74	0.26	208	28	489	48.9	485	48.5	483	48.3
	C50FA0.05CD (B)	260	650	1000	259.74	0.26	208	90	598	59.8	600	60	595	59.5
	C50FA0.05CD (B)	260	650	1000	259.74	0.26	208	180	792	79.2	790	79	795	79.5
	C50FA0.1CD (B)	260	650	1000	259.48	0.52	208	7	250	25	254	25.4	253	25.3
	C50FA0.1CD (B)	260	650	1000	259.48	0.52	208	14	354	35.4	355	35.5	359	35.9
	C50FA0.1CD (B)	260	650	1000	259.48	0.52	208	28	471	47.1	475	47.5	474	47.4
	C50FA0.1CD (B)	260	650	1000	259.48	0.52	208	90	575	57.5	582	58.2	580	58
	C50FA0.1CD (B)	260	650	1000	259.48	0.52	208	180	775	77.5	778	77.8	779	77.9