

ภาคผนวก ข

ผลการทดสอบการหดตัวแห้งของคอนกรีต

ตารางที่ ข.1 ผลการทดสอบการหดตัวแห้งของคอนกรีต CT

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.6271	11.4301	0.0000	0.0000	0	0	0
1	11.6259	11.4288	-0.0012	-0.0013	103	112	107
3	11.6253	11.4283	-0.0018	-0.0018	154	154	154
7	11.6250	11.4281	-0.0021	-0.0020	180	172	176
14	11.6247	11.4275	-0.0024	-0.0026	206	223	215
28	11.6245	11.4271	-0.0026	-0.0030	223	257	240
42	11.6243	11.4268	-0.0028	-0.0033	240	283	262
56	11.6241	11.4267	-0.0030	-0.0034	257	292	275
70	11.6240	11.4266	-0.0031	-0.0035	266	300	283
84	11.6239	11.4264	-0.0032	-0.0037	275	317	296
98	11.6238	11.4263	-0.0033	-0.0038	283	326	305
112	11.6236	11.4262	-0.0035	-0.0039	300	335	317
126	11.6235	11.4262	-0.0036	-0.0039	309	335	322
140	11.6234	11.4261	-0.0037	-0.0040	317	343	330
154	11.6233	11.4260	-0.0038	-0.0041	326	352	339
168	11.6233	11.4259	-0.0038	-0.0042	326	360	343
182	11.6232	11.4259	-0.0039	-0.0042	335	360	348

ตารางที่ ข.2 ผลการทดสอบการหดตัวแห้งของคอนกรีต 10BA50

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.4409	11.4392	0.0000	0.0000	0	0	0
1	11.4401	11.4383	-0.0008	-0.0009	69	77	73
3	11.4385	11.4375	-0.0024	-0.0017	206	146	176
7	11.4381	11.4368	-0.0028	-0.0024	240	206	223
14	11.4378	11.4365	-0.0031	-0.0027	266	232	249
28	11.4376	11.4363	-0.0033	-0.0029	283	249	266
42	11.4373	11.4361	-0.0036	-0.0031	309	266	287
56	11.4371	11.4358	-0.0038	-0.0034	326	292	309
70	11.4369	11.4356	-0.0040	-0.0036	343	309	326
84	11.4367	11.4353	-0.0042	-0.0039	360	335	348
98	11.4365	11.4351	-0.0044	-0.0041	378	352	365
112	11.4364	11.4349	-0.0045	-0.0043	386	369	378
126	11.4363	11.4348	-0.0046	-0.0044	395	378	386
140	11.4362	11.4347	-0.0047	-0.0045	403	386	395
154	11.4361	11.4346	-0.0048	-0.0046	412	395	403
168	11.4360	11.4345	-0.0049	-0.0047	420	403	412
182	11.4359	11.4345	-0.0050	-0.0047	429	403	416

ตารางที่ ข.3 ผลการทดสอบการหดตัวแห้งของคอนกรีต 10BA65

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.5020	11.4505	0.0000	0.0000	0	0	0
1	11.5014	11.4499	-0.0006	-0.0006	51	51	51
3	11.5005	11.4490	-0.0015	-0.0015	129	129	129
7	11.4999	11.4484	-0.0021	-0.0021	180	180	180
14	11.4993	11.4479	-0.0027	-0.0026	232	223	227
28	11.4988	11.4474	-0.0032	-0.0031	275	266	270
42	11.4985	11.4471	-0.0035	-0.0034	300	292	296
56	11.4982	11.4469	-0.0038	-0.0036	326	309	317
70	11.4979	11.4466	-0.0041	-0.0039	352	335	343
84	11.4976	11.4463	-0.0044	-0.0042	378	360	369
98	11.4974	11.4460	-0.0046	-0.0045	395	386	390
112	11.4972	11.4458	-0.0048	-0.0047	412	403	408
126	11.4970	11.4456	-0.0050	-0.0049	429	420	425
140	11.4969	11.4455	-0.0051	-0.0050	438	429	433
154	11.4968	11.4454	-0.0052	-0.0051	446	438	442
168	11.4967	11.4453	-0.0053	-0.0052	455	446	450
182	11.4966	11.4452	-0.0054	-0.0053	463	455	459

ตารางที่ ๔.4 ผลการทดสอบการหดตัวแห้งของคอนกรีต 10BA80

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.4145	11.4322	0.0000	0.0000	0	0	0
1	11.4135	11.4310	-0.0010	-0.0012	86	103	94
3	11.4127	11.4299	-0.0018	-0.0023	154	197	176
7	11.4125	11.4296	-0.0020	-0.0026	172	223	197
14	11.4117	11.4293	-0.0028	-0.0029	240	249	245
28	11.4113	11.4289	-0.0032	-0.0033	275	283	279
42	11.4108	11.4286	-0.0037	-0.0036	317	309	313
56	11.4105	11.4283	-0.0040	-0.0039	343	335	339
70	11.4102	11.4280	-0.0043	-0.0042	369	360	365
84	11.4099	11.4279	-0.0046	-0.0043	395	369	382
98	11.4096	11.4277	-0.0049	-0.0045	420	386	403
112	11.4094	11.4274	-0.0051	-0.0048	438	412	425
126	11.4092	11.4271	-0.0053	-0.0051	455	438	446
140	11.4091	11.4269	-0.0054	-0.0053	463	455	459
154	11.4090	11.4267	-0.0055	-0.0055	472	472	472
168	11.4089	11.4266	-0.0056	-0.0056	481	481	481
182	11.4088	11.4263	-0.0057	-0.0059	489	506	498

ตารางที่ ๕.5 ผลการทดสอบการหดตัวแห้งของคอนกรีต 15BA50

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.4652	11.4505	0.0000	0.0000	0	0	0
1	11.4647	11.4499	-0.0005	-0.0006	43	51	47
3	11.4643	11.4490	-0.0009	-0.0015	77	129	103
7	11.4636	11.4484	-0.0016	-0.0021	137	180	159
14	11.4629	11.4479	-0.0023	-0.0026	197	223	210
28	11.4623	11.4474	-0.0029	-0.0031	249	266	257
42	11.4619	11.4471	-0.0033	-0.0034	283	292	287
56	11.4616	11.4469	-0.0036	-0.0036	309	309	309
70	11.4613	11.4466	-0.0039	-0.0039	335	335	335
84	11.4611	11.4463	-0.0041	-0.0042	352	360	356
98	11.4609	11.4460	-0.0043	-0.0045	369	386	378
112	11.4608	11.4458	-0.0044	-0.0047	378	403	390
126	11.4606	11.4456	-0.0046	-0.0049	395	420	408
140	11.4605	11.4455	-0.0047	-0.0050	403	429	416
154	11.4604	11.4454	-0.0048	-0.0051	412	438	425
168	11.4603	11.4453	-0.0049	-0.0052	420	446	433
182	11.4602	11.4452	-0.0050	-0.0053	429	455	442

ตารางที่ ข.6 ผลการทดสอบการหดตัวแห้งของคอนกรีต 15BA65

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.4299	11.4111	0.0000	0.0000	0	0	0
1	11.4288	11.4107	-0.0011	-0.0004	94	34	64
3	11.4281	11.4103	-0.0018	-0.0008	154	69	112
7	11.4268	11.4094	-0.0031	-0.0017	266	146	206
14	11.4264	11.4085	-0.0035	-0.0026	300	223	262
28	11.4261	11.4078	-0.0038	-0.0033	326	283	305
42	11.4258	11.4071	-0.0041	-0.0040	352	343	348
56	11.4254	11.4066	-0.0045	-0.0045	386	386	386
70	11.4252	11.4061	-0.0047	-0.0050	403	429	416
84	11.4250	11.4057	-0.0049	-0.0054	420	463	442
98	11.4248	11.4053	-0.0051	-0.0058	438	498	468
112	11.4247	11.4048	-0.0052	-0.0063	446	541	493
126	11.4246	11.4043	-0.0053	-0.0068	455	583	519
140	11.4244	11.4040	-0.0055	-0.0071	472	609	541
154	11.4242	11.4038	-0.0057	-0.0073	489	626	558
168	11.4241	11.4037	-0.0058	-0.0074	498	635	566
182	11.4240	11.4037	-0.0059	-0.0074	506	635	571

ตารางที่ ข.7 ผลการทดสอบการหดตัวแห้งของคอนกรีต 15BA80

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.5121	11.5882	0.0000	0.0000	0	0	0
1	11.5100	11.5873	-0.0021	-0.0009	180	77	129
3	11.5092	11.5861	-0.0029	-0.0021	249	180	215
7	11.5088	11.5852	-0.0033	-0.0030	283	257	270
14	11.5082	11.5845	-0.0039	-0.0037	335	317	326
28	11.5070	11.5834	-0.0051	-0.0048	438	412	425
42	11.5064	11.5829	-0.0057	-0.0053	489	455	472
56	11.5060	11.5824	-0.0061	-0.0058	523	498	511
70	11.5058	11.5821	-0.0063	-0.0061	541	523	532
84	11.5056	11.5819	-0.0065	-0.0063	558	541	549
98	11.5053	11.5817	-0.0068	-0.0065	583	558	571
112	11.5052	11.5814	-0.0069	-0.0068	592	583	588
126	11.5051	11.5812	-0.0070	-0.0070	601	601	601
140	11.5050	11.5811	-0.0071	-0.0071	609	609	609
154	11.5049	11.5810	-0.0072	-0.0072	618	618	618
168	11.5048	11.5808	-0.0073	-0.0074	626	635	631
182	11.5047	11.5807	-0.0074	-0.0075	635	644	639

ตารางที่ ข.8 ผลการทดสอบการหดตัวแห้งของคอนกรีต 20BA50

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.5340	11.6271	0.0000	0.0000	0	0	0
1	11.5333	11.6263	-0.0007	-0.0008	60	69	64
3	11.5326	11.6254	-0.0014	-0.0017	120	146	133
7	11.5319	11.6244	-0.0021	-0.0027	180	232	206
14	11.5312	11.6234	-0.0028	-0.0037	240	317	279
28	11.5306	11.6225	-0.0034	-0.0046	292	395	343
42	11.5300	11.6221	-0.0040	-0.0050	343	429	386
56	11.5294	11.6217	-0.0046	-0.0054	395	463	429
70	11.5290	11.6214	-0.0050	-0.0057	429	489	459
84	11.5287	11.6211	-0.0053	-0.0060	455	515	485
98	11.5284	11.6208	-0.0056	-0.0063	481	541	511
112	11.5282	11.6206	-0.0058	-0.0065	498	558	528
126	11.5280	11.6204	-0.0060	-0.0067	515	575	545
140	11.5278	11.6201	-0.0062	-0.0070	532	601	566
154	11.5277	11.6200	-0.0063	-0.0071	541	609	575
168	11.5276	11.6199	-0.0064	-0.0072	549	618	583
182	11.5275	11.6198	-0.0065	-0.0073	558	626	592

ตารางที่ ๙.๑ ผลการทดสอบการหดตัวแห้งของคอนกรีต 20BA65

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.4963	11.4285	0.0000	0.0000	0	0	0
1	11.4942	11.4260	-0.0021	-0.0025	180	215	197
3	11.4934	11.4252	-0.0029	-0.0033	249	283	266
7	11.4926	11.4243	-0.0037	-0.0042	317	360	339
14	11.4918	11.4235	-0.0045	-0.0050	386	429	408
28	11.4911	11.4227	-0.0052	-0.0058	446	498	472
42	11.4905	11.4221	-0.0058	-0.0064	498	549	523
56	11.4899	11.4215	-0.0064	-0.0070	549	601	575
70	11.4894	11.4210	-0.0069	-0.0075	592	644	618
84	11.4891	11.4205	-0.0072	-0.0080	618	686	652
98	11.4888	11.4202	-0.0075	-0.0083	644	712	678
112	11.4886	11.4201	-0.0077	-0.0084	661	721	691
126	11.4884	11.4200	-0.0079	-0.0085	678	729	704
140	11.4882	11.4199	-0.0081	-0.0086	695	738	716
154	11.4881	11.4198	-0.0082	-0.0087	704	747	725
168	11.4880	11.4197	-0.0083	-0.0088	712	755	734
182	11.4879	11.4196	-0.0084	-0.0089	721	764	742

ตารางที่ ข.10 ผลการทดสอบการหดตัวของคอนกรีต 20BA80

Age (days)	Lx. (in.)		Diff. Length (in.)		Shrinkage ($\times 10^{-6}$ in./in.)		
	No.1	No.2	No.1	No.2	No.1	No.2	Average
0	11.6401	11.5144	0.0000	0.0000	0	0	0
1	11.6384	11.5122	-0.0017	-0.0022	146	189	167
3	11.6369	11.5108	-0.0032	-0.0036	275	309	292
7	11.6357	11.5095	-0.0044	-0.0049	378	420	399
14	11.6348	11.5085	-0.0053	-0.0059	455	506	481
28	11.6338	11.5074	-0.0063	-0.0070	541	601	571
42	11.6332	11.5069	-0.0069	-0.0075	592	644	618
56	11.6326	11.5063	-0.0075	-0.0081	644	695	669
70	11.6320	11.5057	-0.0081	-0.0087	695	747	721
84	11.6316	11.5055	-0.0085	-0.0089	729	764	747
98	11.6313	11.5053	-0.0088	-0.0091	755	781	768
112	11.6310	11.5052	-0.0091	-0.0092	781	789	785
126	11.6308	11.5051	-0.0093	-0.0093	798	798	798
140	11.6307	11.5050	-0.0094	-0.0094	807	807	807
154	11.6306	11.5049	-0.0095	-0.0095	815	815	815
168	11.6305	11.5048	-0.0096	-0.0096	824	824	824
182	11.6304	11.5047	-0.0097	-0.0097	832	832	832