



**THEORETICAL QUANTITY OF BRICK MORTAR REQUIRED  
BASED ON 1/8 JOINTS EXCEPT AS NOTED**

\*\*\*NO OVERAGE INCLUDED IN THESE QUANTITIES\*\*\*

**CES-145**  
*3/14 Supersedes 5/03*  
*Page 1 of 4*

**LBS. PER 1000 BRICK OR TILE  
BED AND SIDE JOINTS**

				RESIN BRICK MORTARS								SILICATE BRICK MORTARS					
				DENSITY	87	96	92	115	116	97	114	112	92	130	115	123	125
				ASPLIT® CN	FURALAC® FN	FURALAC® GREEN PANEL	FURALAC® SPECIAL	PENNCHEM®	VE CARBON	PENNCHEM® NOVOLAC	PHENOLIC SPECIAL	PHENOLIC CARBON	HES® CEMENT	HB® MORTAR	CORLOK® B MORTAR	K-12® MORTAR	K-14® MORTAR
BRICK SIZE			BRICK PER 100 SQ FT 1/8" JOINT														
L	W	T															
6.00	6.00	0.750	384	283	313	299	374	378	316	371	365	299	423	374	400	407	381
8.00	3.75	2.250	457	355	392	376	469	474	396	465	457	376	531	469	502	510	478
8.00	2.25	3.750	746	355	392	376	469	474	396	465	457	376	531	469	502	510	478
3.75	2.25	8.000	1565	355	392	376	469	474	396	465	457	376	531	469	502	510	478
8.00	4.50	3.750	383	522	576	552	689	695	582	683	671	552	779	689	737	749	701
8.00	3.75	4.500	457	522	576	552	689	695	582	683	671	552	779	689	737	749	701
8.00	3.75	1.125	457	272	300	288	360	363	303	356	350	288	406	360	385	391	366
9.00	4.50	1.250	341	361	398	382	477	481	403	473	465	382	540	477	510	519	486
8.00	4.00	1.375	430	305	337	323	403	407	340	400	393	323	456	403	432	439	410
9.00	4.50	2.500	341	467	516	494	618	623	521	612	602	494	698	618	661	671	628
9.00	2.50	4.500	601	467	516	494	618	623	521	612	602	494	698	618	661	671	628
4.50	2.50	9.000	1186	467	516	494	618	623	521	612	602	494	698	618	661	671	628
9.00	3.00	4.500	505	510	563	539	674	680	568	668	656	539	762	674	721	732	686
8.00	4.00	1.188	430	291	321	308	385	388	325	381	375	308	435	385	412	418	391
9.00	4.50	4.500	341	637	703	674	842	850	710	835	820	674	952	842	901	916	857



**THEORETICAL QUANTITY OF BRICK MORTAR REQUIRED  
BASED ON 1/8 JOINTS EXCEPT AS NOTED**

**CES-145**  
*3/14 Supersedes 5/03*  
**Page 2 of 4**

\*\*\*NO OVERAGE INCLUDED IN THESE QUANTITIES\*\*\*

**LBS. PER 100 SQ. FT  
BED AND SIDE JOINTS**

				RESIN BRICK MORTARS										SILICATE BRICK MORTARS				
				DENSITY	87	96	92	115	116	97	114	112	92	130	115	123	125	117
				ASPLIT® CN	FURALAC® FN	FURALAC® GREEN PANEL	FURALAC® SPECIAL	PENNCHEM®	VE CARBON	PENNCHEM® NOVOLAC	PHENOLIC SPECIAL	PHENOLIC CARBON	HES® CEMENT	HB® MORTAR	CORLOK® B MORTAR	K-12® MORTAR	K-14® MORTAR	
BRICK SIZE			BRICK PER 100 SQ FT															
L	W	T	1/8" JOINT															
6.00	6.00	0.750	384	109	120	115	144	145	121	142	140	115	162	144	154	156	146	
8.00	3.75	2.250	457	162	179	172	51	217	181	213	209	172	243	215	230	233	218	
8.00	2.25	3.750	746	265	292	280	81	353	296	347	341	280	396	350	375	381	356	
3.75	2.25	8.000	1565	556	613	588	168	741	620	728	715	588	830	735	786	798	747	
8.00	4.50	3.750	383	200	221	211	50	266	223	262	257	211	299	264	283	287	269	
8.00	3.75	4.500	457	239	263	252	59	318	266	313	307	252	356	315	337	343	321	
8.00	3.75	1.125	457	124	137	132	47	166	139	163	160	132	186	164	176	179	167	
9.00	4.50	1.250	341	123	136	130	40	164	137	161	159	130	184	163	174	177	166	
8.00	4.00	1.375	430	131	145	139	46	175	146	172	169	139	196	173	185	188	176	
9.00	4.50	2.500	341	159	176	169	44	213	178	209	205	169	238	211	225	229	214	
9.00	2.50	4.500	601	281	310	297	75	375	313	368	362	297	420	371	397	404	378	
4.50	2.50	9.000	1186	554	612	586	147	739	618	726	714	586	828	733	784	796	745	
9.00	4.50	3.000	341	174	192	184	45	232	194	228	224	184	260	230	246	250	234	
9.00	3.00	4.500	505	257	284	272	66	343	287	337	331	272	385	340	364	370	346	
8.00	4.00	1.188	430	125	138	132	45	167	139	164	161	132	187	165	177	180	168	
9.00	4.50	4.500	341	217	240	230	49	290	242	285	280	230	325	287	307	312	292	



**THEORETICAL QUANTITY OF MORTAR/GROUT REQUIRED**  
**- BASED ON 1/8 JOINTS EXCEPT AS NOTED**  
**\*\*\*NO OVERAGE INCLUDED IN THESE QUANTITIES\*\*\***

**CES-145**  
**3/14 Supersedes 5/03**  
**Page 3 of 4**

**LBS. PER 1000 BRICK OR TILE**  
**SIDE JOINTS ONLY - NO BED JOINTS**

			DENSITY		RESIN BRICK MORTARS 1/8" JOINTS										SILICATE BRICK MORTARS 1/8" JOINT					TILE GROUTS 1/4" JOINTS		
					87	96	92	115	116	97	114	112	92	130	115	123	125	117	95	93	104	
BRICK SIZE			BRICK PER 100 SQ FT		ASPLIT® CN	FURALAC® FN	FURALAC® GREEN PANEL	FURALAC® SPECIAL	PENNCHEM®	VE CARBON	PENNCHEM® NOVOLAC	PHENOLIC SPECIAL	PHENOLIC CARBON	HES® CEMENT	HB® MORTAR	CORLOK® B MORTAR	K-12® MORTAR	K-14® MORTAR	FURALAC® RED PANEL	PT WATER CLEANABLE	PENNCHEM® TILE GROUT	
L	W	T	1/8" JT	1/4" JT																		
6.00	6.00	0.75	384	369	57	63	60	75	76	63	74	73	60	85	75	80	81	76	124	121	135	
8.00	3.75	2.25	457	436	166	184	176	220	222	186	218	214	176	249	220	235	239	224	363	356	398	
8.00	2.25	3.75	746	698	242	267	256	320	323	270	317	311	256	361	320	342	348	325	528	517	578	
3.75	2.25	8.00	1565	1440	302	333	319	399	403	337	396	389	319	451	399	427	434	406	660	646	722	
8.00	4.50	3.75	383	367	295	326	312	390	393	329	387	380	312	441	390	417	424	397	644	631	705	
8.00	3.75	4.50	457	436	333	367	352	440	444	371	436	428	352	497	440	470	478	448	727	711	796	
8.00	3.75	1.13	457	436	83	92	88	110	111	93	109	107	88	124	110	118	120	112	182	178	199	
9.00	4.50	1.25	341	328	106	117	112	140	142	118	139	137	112	159	140	150	153	143	232	227	254	
8.00	4.00	1.38	430	411	104	115	110	137	138	116	136	134	110	155	137	147	149	140	227	222	248	
9.00	4.50	2.50	341	328	212	234	225	281	283	237	278	273	225	317	281	300	305	286	464	454	508	
9.00	2.50	4.50	601	566	326	359	344	431	434	363	427	419	344	487	431	460	468	438	711	696	779	
4.50	2.50	9.00	1186	1102	396	438	419	524	529	442	520	510	419	592	524	561	570	533	866	848	948	
9.00	4.50	3.00	341	328	255	281	270	337	340	284	334	328	270	381	337	360	366	343	557	545	609	
9.00	3.00	4.50	505	479	340	375	359	449	453	379	445	438	359	508	449	480	488	457	742	727	813	
8.00	4.00	1.19	430	411	90	99	95	119	120	100	118	115	95	134	119	127	129	121	196	192	214	
9.00	4.50	4.50	341	328	382	422	404	505	510	426	501	492	404	571	505	541	549	514	835	817	914	



**THEORETICAL QUANTITY OF MORTAR/GROUT REQUIRED  
BASED ON 1/8 JOINTS EXCEPT AS NOTED**

\*\*\*NO OVERAGE INCLUDED IN THESE QUANTITIES\*\*\*

**CES-145**  
3/14 Supersedes 5/03  
Page 4 of 4

**LBS. PER 100 SQ. FT.  
SIDE JOINTS ONLY - NO BED JOINT**

			DENSITY		RESIN BRICK MORTARS 1/8" JOINTS										SILICATE MORTARS 1/8" JOINTS					TILE GROUTS 1/4" JOINTS		
					87	96	92	115	116	97	114	112	92	130	115	123	125	117	95	93	104	
BRICK SIZE			BRICK PER 100 SQ FT		ASPLIT® CN	FURALAC® FN	FURALAC® GREEN PANEL	FURALAC® SPECIAL	PENNCHEM®	VE CARBON	PENNCHEM® NOVOLAC	PHENOLIC SPECIAL	PHENOLIC CARBON	HES® CEMENT	HB® MORTAR	CORLOK® B MORTAR	K-12® MORTAR	K-14® MORTAR	FURALAC® RED PANEL	PT WATER CLEANABLE	PENNCHEM® TILE GROUT	
L	W	T	1/8" JT	1/4" JT																		
6.00	6.00	0.75	384	369	22	24	23	29	29	24	28	28	23	32	29	31	31	29	46	45	50	
8.00	3.75	2.25	457	436	76	84	80	51	101	85	100	98	80	114	101	108	109	102	159	155	174	
8.00	2.25	3.75	746	698	181	199	191	81	241	201	237	232	191	270	239	255	259	243	369	361	404	
3.75	2.25	8.00	1565	1440	473	522	500	168	630	527	619	608	500	706	625	668	679	636	950	930	1040	
8.00	4.50	3.75	383	367	113	125	120	50	151	126	148	146	120	169	149	160	162	152	237	232	259	
8.00	3.75	4.50	457	436	152	168	161	59	203	170	199	196	161	227	201	215	219	205	317	310	347	
8.00	3.75	1.13	457	436	38	42	40	47	51	42	50	49	40	57	50	54	55	51	79	78	87	
9.00	4.50	1.25	341	328	36	40	38	40	48	40	47	47	38	54	48	51	52	49	76	74	83	
8.00	4.00	1.38	430	411	45	49	47	46	59	50	58	57	47	67	59	63	64	60	93	91	102	
9.00	4.50	2.50	341	328	72	80	77	44	97	81	95	93	77	108	96	102	104	97	152	149	166	
9.00	2.50	4.50	601	566	196	216	207	75	261	218	257	252	207	293	259	277	281	263	403	394	441	
4.50	2.50	9.00	1186	1102	470	519	497	147	627	524	616	605	497	703	622	665	676	632	955	934	1045	
9.00	4.50	3.00	341	328	87	96	92	45	116	97	114	112	92	130	115	123	125	117	182	179	200	
9.00	3.00	4.50	505	479	172	189	181	66	229	191	225	221	181	256	227	243	247	231	356	348	389	
8.00	4.00	1.19	430	411	39	43	41	45	51	43	50	50	41	58	51	54	55	52	80	79	88	
9.00	4.50	4.50	341	328	130	144	138	49	174	145	171	168	138	195	172	184	187	175	274	268	300	