



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D.C. 20241



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Cement Monthly

CEMENT IN OCTOBER 1987

Portland cement shipments in the United States and Puerto Rico were 9.40 million short tons in October, according to the Bureau of Mines, U.S. Department of the Interior. This was 2% above shipments in October 1986. Cumulative shipments through October 1987, 77.2 million short tons, were 2% above cumulative shipments through October 1986.

The leading portland cement producing States (California, Pennsylvania, Texas, Michigan, and Missouri) shipped 37% of the October total. California, Texas, Florida, Illinois, and Pennsylvania, the leading consuming states, received 34% of total shipments.

Masonry cement shipments of 375,000 tons in October were 2% above shipments in October, 1986. The leading producing States or districts (Indiana, Pennsylvania, Florida, Kentucky-Virginia-West-Virginia, and Michigan) shipped 50% of the total and leading consuming States (Florida, North Carolina, Georgia, Virginia, and Ohio) received 37% of total shipments. Cumulative shipments through October 1987, 3.3 million tons, were 4% more than cumulative shipments through October 1986.

Tables 5, 6, and 7 contain September import data as reported by the Bureau of the Census which were not available for publication in the September report. September imports of 1.7 million tons were 14% above imports in September 1986. Cumulative imports through September of 13.5 million tons, were 9% above cumulative imports through September 1986.

TABLE 1. - CEMENT SHIPMENTS BY PRODUCING DISTRICTS FOR MONTH OF OCTOBER, 1987 1/

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS) 2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	OCTOBER	YEAR TO DATE	OCTOBER	YEAR TO DATE
NEW YORK, MAINE	425,609	3,169,535	12,811	99,291
PENNSYLVANIA EASTERN	515,307	4,047,323	31,163	266,622
PENNSYLVANIA WESTERN	189,818	1,324,855	10,315	82,720
MARYLAND	196,036	1,475,584	10,391	81,532
OHIO	182,169	1,492,088	12,360	117,954
MICHIGAN	630,973	4,278,422	30,679	237,840
INDIANA	273,997	2,127,539	42,802	363,839
ILLINOIS	231,730	1,545,921	3/	3/
GEORGIA, TENNESSEE	221,268	1,907,423	21,871	196,715
SOUTH CAROLINA	255,658	2,151,188	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	246,154	2,093,962	32,846	283,896
FLORIDA	300,715	2,826,485	40,272	380,882
NEBRASKA, WISCONSIN	87,063	639,740	776	7,211
ALABAMA	322,955	2,949,068	26,324	227,562
ARKANSAS, LOUISIANA, MISSISSIPPI	142,304	1,256,448	5,445	61,073
UTAH	122,899	939,737	85	908
SOUTH DAKOTA	63,519	462,270	477	3,763
IOWA	276,972	2,057,417	5,208	44,541
MISSOURI	559,414	4,148,400	16,451	154,206
KANSAS	201,573	1,472,518	5,338	45,050
OKLAHOMA	181,778	1,355,024	4,973	39,351
TEXAS NORTHERN	373,492	3,335,694	11,702	106,001
TEXAS SOUTHERN	307,601	3,024,352	2,319	28,389
IDAHOO, MONTANA	79,519	589,277	467	3,280
COLORADO, WYOMING	139,426	1,114,593	3/	3/
ALASKA, OREGON	71,418	590,815	7,629	267
ARIZONA, NEVADA, NEW MEXICO	194,428	1,716,330	69,207	69,207
CALIFORNIA NORTHERN	290,720	2,415,517	3,327	3,327
CALIFORNIA SOUTHERN	608,402	6,057,238	3/	3/
HAWAII	28,226	271,101	922	8,281
WASHINGTON	101,824	791,237	680	6,209
PUERTO RICO	115,854	1,092,418		

U.S. TOTAL..... 7,937,821 64,729,519 363,329 3,182,482

FOREIGN IMPORTS.....4/ 1,464,465 12,506,390 11,483 105,918

TOTAL SHIPMENTS..... 9,402,286 77,235,909 374,812 3,288,400

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
- 2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
- 3/ WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY PROPRIETARY DATA; INCLUDED IN TOTALS
- 4/ AS REPORTED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS. SOURCE OF IMPORTS WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY DATA.

TABLE 2. - CEMENT SHIPMENTS BY DESTINATION FOR MONTH OF OCTOBER, 1987 1/,2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS) 3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	OCTOBER	YEAR TO DATE	OCTOBER	YEAR TO DATE
ALABAMA	138,065	1,177,825	13,024	117,448
ALASKA	5,012	77,580	5/	5/
ARIZONA	215,438	1,933,166	5/	5/
ARKANSAS	74,752	664,798	4,019	37,597
CALIFORNIA NORTHERN	370,376	3,082,737	5/	5/
CALIFORNIA SOUTHERN	702,628	6,909,338	5/	5/
COLORADO	122,710	977,904	1,503	14,312
CONNECTICUT 4/	114,675	859,880	2,800	20,598
DELAWARE 4/	27,586	210,931	1,330	12,467
DISTRICT OF COLUMBIA 4/	15,166	118,302	24	669
FLORIDA	594,555	5,704,955	47,068	437,789
GEORGIA	317,884	2,832,539	22,657	212,659
HAWAII	28,226	276,618	922	8,608
IDAHO	29,410	213,716	40	396
ILLINOIS	177,013	1,298,567	3,239	25,453
CHICAGO METROPOLITAN 4/	240,827	1,727,428	7,325	57,423
INDIANA	208,268	1,461,174	10,414	88,899
IOWA	177,108	1,026,099	1,294	10,604
KANSAS	158,502	1,119,960	2,397	20,460
KENTUCKY	130,156	1,043,051	9,793	78,670
LOUISIANA	184,658	1,495,039	4,031	37,226
MAINE	46,571	306,174	1,316	10,373
MARYLAND	176,830	1,389,448	15,864	133,331
MASSACHUSETTS 4/	160,522	1,353,630	5,458	43,472
MICHIGAN	337,923	2,389,112	15,499	127,692
MINNESOTA 4/	185,933	1,399,448	5,279	45,073
MISSISSIPPI	84,602	670,517	5,163	49,068
MISSOURI	243,385	1,840,539	5,433	46,852
MONTANA	20,272	157,551	71	962
NEBRASKA	80,110	623,296	947	8,904
NEVADA	79,337	642,864	11	63
NEW HAMPSHIRE 4/	33,518	299,208	1,401	13,042
NEW JERSEY 4/	204,707	1,625,693	9,293	74,840
NEW MEXICO	48,155	443,960	633	7,099
NEW YORK EASTERN	88,292	626,833	4,739	38,647
NEW YORK WESTERN	124,980	849,474	6,027	49,942
NEW YORK METROPOLITAN 4/	181,320	1,533,279	5,621	46,843
NORTH CAROLINA 4/	204,358	1,823,773	27,499	244,420
NORTH DAKOTA 4/	26,154	233,065	552	3,563
OHIO	394,462	2,829,284	20,008	161,743
OKLAHOMA	99,694	871,717	3,121	29,540
OREGON	79,426	629,295	12	127
PENNSYLVANIA EASTERN	237,152	1,773,588	8,168	72,561
PENNSYLVANIA WESTERN	162,275	1,197,187	9,121	72,692
PUERTO RICO	115,854	1,092,418		
RHODE ISLAND 4/	27,684	210,864	705	5,305
SOUTH CAROLINA	114,692	974,171	14,276	130,325
SOUTH DAKOTA	37,410	242,413	429	4,131
TENNESSEE	145,198	1,598,083	19,263	176,251
TEXAS NORTHERN	344,697	3,277,510	9,888	84,801
TEXAS SOUTHERN	398,939	3,640,689	5,029	56,599
UTAH	90,630	715,130	93	1,083
VERMONT 4/	17,432	152,570	693	5,330
VIRGINIA	275,780	2,182,323	22,148	194,650
WASHINGTON	144,652	1,170,956	723	6,844
WEST VIRGINIA	51,138	393,435	3,246	27,817
WISCONSIN	206,398	1,409,592	4,716	40,564
WYOMING	34,479	291,828	99	827
FOREIGN COUNTRIES 6/	23,910	163,385	10,368	85,646
TOTAL SHIPMENTS.....	9,402,286	77,235,909	374,812	3,288,400

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
- 2/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
- 3/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT.
- 4/ HAS NO CEMENT PRODUCING PLANTS.
- 5/ INCLUDED WITH FOREIGN COUNTRIES TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY CONFIDENTIAL DATA.
- 6/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOT-NOTE 5/.

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1982-1987) FOR MONTH OF OCTOBER 1/2/ PAGE 1
IN THOUSAND SHORT TONS

STATE	1982	1983	1984	1985	1986	5-YEAR AVERAGE	1987	RECORD HIGH-		--PERCENT CHANGE FROM-- ---CURRENT YEAR TO---		
								QTY.	YR	1986	5-YEAR AVG	RECORD YEAR
ALABAMA	86	108	108	121	126	110	138	149	78	9.5	25.5	-7.4
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	109	138	169	193	212	164	215	215	87	1.4	31.1	0.0
ARKANSAS	59	63	55	79	71	65	75	115	79	5.6	15.4	-39.8
CALIFORNIA NORTHERN	203	315	338	360	391	321	370	391	86	-5.4	15.3	-5.4
CALIFORNIA SOUTHERN	339	422	529	632	807	546	703	807	86	-12.9	28.8	-12.9
COLORADO	137	169	138	187	154	157	123	187	85	-20.1	-21.7	-34.2
CONNECTICUT 3/	72	64	100	97	116	90	115	116	86	-0.9	27.8	-0.9
DELAWARE 3/	17	14	15	21	23	18	28	29	73	21.7	55.6	-3.4
DISTRICT OF COLUMBIA 3/	14	10	9	9	13	11	15	32	74	15.4	35.4	-53.1
FLORIDA	322	421	522	505	586	471	595	595	87	1.5	25.3	0.0
GEORGIA	156	226	288	251	294	243	318	318	87	8.2	30.9	0.0
HAWAII	19	16	13	20	32	20	28	50	69	-12.5	40.0	-44.0
IDAHO	25	36	31	30	32	31	29	67	74	-9.4	-5.5	-56.7
ILLINOIS	284	286	318	354	383	325	418	535	74	9.1	28.6	-21.9
INDIANA	129	126	142	178	177	150	202	235	66	17.5	38.7	-11.5
IOWA	171	159	144	139	149	152	177	252	73	18.8	16.4	-29.8
KANSAS	106	106	131	158	107	122	159	159	87	48.6	30.3	0.0
KENTUCKY	104	85	120	121	148	116	130	211	68	-12.2	12.1	-38.4
LOUISIANA	210	255	213	180	164	204	185	284	78	12.8	-9.3	-34.9
MAINE	23	28	37	37	41	33	47	47	87	14.6	42.4	0.0
MARYLAND	107	115	139	150	182	139	177	182	66	-2.7	27.3	-2.7
MASSACHUSETTS 3/	100	110	153	156	196	143	161	196	86	-17.9	12.6	-17.9
MICHIGAN	182	201	271	298	325	255	338	358	71	4.0	32.5	-15.1
MINNESOTA 3/	147	153	155	194	223	174	186	241	72	-16.6	5.9	-22.8
MISSISSIPPI	62	84	65	65	80	71	85	109	79	6.3	19.7	-22.0
MISSOURI	155	126	163	220	206	174	243	257	78	18.0	39.7	-5.4
MONTANA	28	32	29	24	24	27	20	48	70	-16.7	-25.9	-58.3
NEBRASKA	103	104	110	95	87	98	80	156	73	-8.0	-18.4	-48.7
NEVADA	34	43	55	52	60	49	79	79	87	31.7	61.2	0.0
NEW HAMPSHIRE 3/	32	38	41	46	43	38	34	46	85	-20.9	-10.5	-26.1
NEW JERSEY 3/	130	138	183	198	220	174	205	220	86	-6.8	17.8	-6.8
NEW MEXICO	47	57	55	62	54	55	48	62	85	-11.1	-12.7	-22.6
NEW YORK EASTERN	35	43	65	74	105	63	88	107	71	-12.0	39.7	-17.8
NEW YORK WESTERN	89	89	111	104	115	102	125	137	73	8.7	22.5	-9.8
NEW YORK METROPOLITAN 3/	119	137	149	162	202	154	181	202	86	-10.4	17.5	-10.4
NORTH CAROLINA	141	132	188	181	200	168	204	204	87	2.0	21.4	0.0
NORTH DAKOTA 3/	30	36	38	37	29	34	26	57	74	-10.3	-23.5	-54.4
OHIO	242	227	313	344	354	294	394	495	68	11.3	33.1	-20.4
OKLAHOMA	170	137	143	113	84	129	100	178	79	19.0	-22.5	-43.8

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1982-1987) FOR MONTH OF OCTOBER 1/ 2/ PAGE 2
IN THOUSAND SHORT TONS

STATE	1982	1983	1984	1985	1986	5-YEAR AVERAGE	1987	RECORD HIGH-		1986	-PERCENT CHANGE FROM--	
								QTY.	YR		---CURRENT YEAR TO---	RECORD YEAR
OREGON	53	74	67	72	70	67	126	125	87	80.0	88.1	0.0
PENNSYLVANIA EASTERN	151	154	186	201	227	184	237	264	69	4.4	28.8	-10.2
PENNSYLVANIA WESTERN	87	120	156	147	149	132	116	164	74	-22.1	-12.1	-29.3
RHODE ISLAND 3/	15	17	17	18	20	17	28	28	67	40.0	64.7	0.0
SOUTH CAROLINA	73	78	100	97	98	89	115	115	87	17.3	29.2	0.0
SOUTH DAKOTA	24	39	40	43	44	38	37	66	79	-15.9	-2.6	-43.9
TENNESSEE	104	132	133	155	170	139	185	188	78	8.8	33.1	-1.6
TEXAS	771	953	736	868	684	802	744	955	79	8.8	-7.2	-22.1
UTAH	54	94	111	112	90	92	91	112	85	1.1	-1.1	-18.8
VERMONT 3/	15	16	22	21	20	19	17	22	84	-15.0	-10.5	-22.7
VIRGINIA	132	148	210	208	240	188	276	276	87	15.0	46.8	0.0
WASHINGTON	90	117	123	124	134	118	145	214	79	8.2	22.9	-32.2
WEST VIRGINIA	53	42	41	43	55	47	51	89	71	-7.3	8.5	-42.7
WISCONSIN	144	160	174	163	222	173	206	268	73	-7.2	19.1	-23.1
WYOMING	41	38	49	45	35	42	34	54	81	-2.9	-19.0	-37.0
PUERTO RICO	78	77	87	79	110	86	116	166	73	5.5	34.9	-30.1
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	50	40	44	32	30	39	29	61	75	-3.3	-25.6	-52.5
TOTAL	6473	7342	8142	8668	9208	7967	9403	9446	73	2.1	18.0	-0.5

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT

3/ HAS NO CEMENT PRODUCING PLANT.

4/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.

5/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 4/.

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1982-1987) FOR MONTH OF OCTOBER 1/ PAGE 5
IN THOUSAND SHORT TONS

STATE	1982	1983	1984	1985	1986	5-YEAR AVERAGE	1987	RECORD HIGH-		-PERCENT CHANGE FROM--		
								QTY.	YR	1986	5-YEAR AVG	---CURRENT YEAR TO----
ALABAMA	6	8	9	9	11	9	13	14	78	18.2	44.4	-7.1
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARKANSAS	3	4	3	4	5	4	4	7	77	-20.0	0.0	-42.9
CALIFORNIA NORTHERN		1	4/	4/	1	4/	1	1	79	0.0	0.0	-100.0
CALIFORNIA SOUTHERN		3	2	2	2	2	2	4	73	0.0	0.0	0.0
COLORADO	2	1	2	2	2	2	3	3	87	50.0	50.0	-50.0
CONNECTICUT 2/	1	1	1	1	1	1	1	1	73	0.0	0.0	0.0
DELAWARE 2/	1	1	4/	4/	4/	4/	4/	2	73	0.0	0.0	-100.0
DISTRICT OF COLUMBIA 2/		4/	4/	4/	4/	4/	4/	47	87	2.2	20.5	0.0
FLORIDA	27	37	44	41	46	39	47	23	86	0.0	21.1	0.0
GEORGIA	13	17	21	20	23	19	23	1	75	0.0	0.0	0.0
HAWAII	4/	4/	1	1	1	1	1	2	75	0.0	0.0	-100.0
IDAHO	4/	4/	4/	4/	4/	4/	4/	16	78	10.0	37.5	-31.3
ILLINOIS	6	7	8	9	10	8	11	14	78	0.0	25.0	-28.6
INDIANA	7	7	8	9	10	8	10	4	75	-50.0	0.0	-75.0
IOWA	1	1	1	1	2	2	1	4	78	0.0	0.0	-50.0
KANSAS	2	2	2	2	2	2	2	15	78	11.1	11.1	-33.3
KENTUCKY	8	9	9	9	9	9	10	11	78	0.0	-33.3	-63.6
LOUISIANA	6	6	7	6	4	6	4	2	73	0.0	0.0	-50.0
MAINE	1	1	1	1	1	1	1	17	86	-5.9	33.3	-5.9
MARYLAND	10	10	13	12	17	12	16	6	86	-16.7	0.0	-16.7
MASSACHUSETTS 2/	3	4	5	5	6	5	5	18	79	15.4	50.0	-16.7
MICHIGAN	7	8	11	13	13	10	15	7	78	-16.7	0.0	-28.6
MINNESOTA 2/	4	4	4	5	5	5	5	9	79	0.0	0.0	-44.4
MISSISSIPPI	4	5	6	5	5	5	5	7	78	0.0	0.0	-28.6
MISSOURI	4	4	4	4	4/	4/	4/	4/	77	0.0	0.0	0.0
MONTANA	4/	4/	4/	4/	4/	4/	4/	2	78	0.0	0.0	-50.0
NEBRASKA	1	1	1	1	1	1	1	4/	84	0.0	0.0	0.0
NEVADA	1	1	4/	2	2	1	1	2	72	-50.0	0.0	-50.0
NEW HAMPSHIRE 2/	1	1	7	9	10	7	9	10	86	-10.0	28.6	-10.0
NEW JERSEY 2/	5	6	7	9	10	7	9	1	73	0.0	0.0	0.0
NEW MEXICO	1	1	1	1	1	1	1	5	86	0.0	66.7	0.0
NEW YORK EASTERN	2	2	4	4	5	3	5	7	73	0.0	20.0	-14.3
NEW YORK WESTERN	4	4	5	5	6	5	6	6	85	0.0	20.0	0.0
NEW YORK METROPOLITAN 2/	5	5	5	6	6	5	6	28	78	8.0	35.0	-3.6
NORTH CAROLINA	13	16	24	23	25	20	27	1	84	0.0	0.0	0.0
NORTH DAKOTA 2/	1	1	1	1	1	1	1	25	77	5.3	33.3	-20.0
OHIO	12	11	15	16	19	15	20	7	78	0.0	-25.0	-57.1
OKLAHOMA	6	5	3	4	3	4	3					

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1982-1987) FOR MONTH OF OCTOBER 1/ PAGE 6

STATE	1982	1983	1984	1985	1986	5-YEAR AVERAGE	1987	RECORD HIGH- QTY.	YR	PERCENT CHANGE FROM--		
										1986	5-YEAR AVG	---CURRENT YEAR TO---
OREGON	4/	4/	4/	4/	4/	4/	1	4/	87	0.0	0.0	0.0
PENNSYLVANIA EASTERN	5	5	6	7	7	6	8	8	73	14.3	33.3	0.0
PENNSYLVANIA WESTERN	6	6	7	8	9	7	8	11	78	-11.1	14.3	-27.7
RHODE ISLAND 2/	4/	4/	4/	4/	1	4/	1	1	86	0.0	0.0	0.0
SOUTH CAROLINA	7	10	12	11	13	11	14	15	72	7.7	27.3	-6.7
SOUTH DAKOTA	4/	4/	4/	4/	4/	4/	4/	1	78	0.0	0.0	-100.0
TENNESSEE	9	12	13	15	19	14	19	23	78	0.0	35.7	-17.4
TEXAS	21	25	23	23	13	21	15	24	79	15.4	-28.6	-42.5
UTAH	4/	4/	4/	4/	4/	4/	4/	4/	77	0.0	0.0	0.0
VERMONT 2/	4/	4/	1	4/	1	4/	1	1	75	0.0	0.0	0.0
VIRGINIA	11	11	17	14	23	16	22	24	73	-4.3	37.5	-8.7
WASHINGTON	1	1	1	1	1	1	1	1	80	0.0	0.0	0.0
WEST VIRGINIA	3	3	3	3	4	3	3	7	78	-25.0	0.0	-57.1
WISCONSIN	4	4	4	5	5	4	5	8	78	0.0	25.0	-37.5
WYOMING	4/	4/	4/	4/	4/	4/	4/	4/	77	0.0	0.0	0.0
PUERTO RICO									80	0.0	0.0	0.0
FOREIGN COUNTRIES	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
UNDISTRIBUTED 5/	6	8	8	10	9	8	10	10	87	11.1	25.0	0.0
TOTAL	240	278	326	332	366	309	373	424	78	1.9	20.7	-12.0

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

2/ HAS NO CEMENT PRODUCING PLANT.

3/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.

4/ LESS THAN 1/2 UNIT.

5/ DIRECT SHIPMENTS BY PRODUCER TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 3/.

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1987 BY COUNTRY AND CUSTOMS DISTRICT 3/
(SHORT TONS)

CUSTOMS DISTRICT	---BAHAMAS---	AFLEGIUP, -LUXEMBOURG-	---BRAZIL---	---CANADA---	---COLOMBIA---	---DENMARK---	DOMINICAN --REPUBLIC--
ANCHORAGE, ALASKA-----				600			
BALTIMORE, MD.-----	6,500			21,270			
BOSTON, MASS.-----				103,066			
BUFFALO, N.Y.-----							
CHARLESTON, S.C.-----				35,607			
CHICAGO, ILL.-----				54,274			
CLEVELAND, OHIO-----				3,629			
DETROIT, MICH.-----							
DULUTH, MINN.-----				99			
EL PASO, TEX.-----							
GREAT FALLS, MONT.-----							
HONOLULU, HAWAII-----							
HOUSTON, TEX.-----							
LAREDO, TEX.-----							
LOS ANGELES, CALIF.-----				19,750			
MIAMI, FLA.-----				4,401			
MILWAUKEE, WIS.-----							
MOBILE, ALA.-----							
NEW ORLEANS, LA.-----				49,296			
NEW YORK CITY, N.Y.-----				19,687			
NOGALES, ARIZ.-----				883			
NORFOLK, VA.-----					15,131		
OGDENSBURG, N.Y.-----							
PEMBINA, N. DAK.-----							
PHILADELPHIA, PA.-----							
PORTLAND, MAINE-----							
PORTLAND, OREG.-----							
PROVIDENCE, R.I.-----							
SAN DIEGO, CALIF.-----							
SAN FRANCISCO, CALIF.-----				10,249			
SAN JUAN, P.R.-----		165	248				
SAVANNAH, GA.-----							
SEATTLE, WASH.-----				63,329			
ST. ALBANS, VT.-----				37,314			
TAMPA, FLA.-----					16,673		
VIRGIN ISLANDS OF U.S.-----							
WILMINGTON, N.C.-----							
SEPTEMBER:							
QUANTITY 4/-----	6,500	165	248	423,454	31,804		
VALUE 5/-----	\$179,143	\$18,881	\$22,223	\$16,351,407	\$1,121,527		
YEAR-TO-DATE:							
QUANTITY 4/-----	133,485	37,485	868	3,184,271	468,204	58,603	235
VALUE 5/-----	\$4,748,654	\$1,636,145	\$69,717	\$121,015,745	\$15,343,364	\$5,989,247	\$14,850

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1947 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	---MEXICO---	---MOROCCO---	---MOZAMBIQUE---	---NETHERLANDS---	---PANAMA---	---SPAIN---	---SWEDEN---	UNITED ---KINGDOM---
ANCHORAGE, ALASKA-----								
BALTIMORE, MD.-----	3,521							
BOSTON, MASS.-----						259		
BUFFALO, N.Y.-----					29,502			
CHARLESTON, S.C.-----								
CHICAGO, ILL.-----								
CLEVELAND, OHIO-----								
DETROIT, MICH.-----								
DULUTH, MINN.-----								
EL PASO, TEX.-----	49,746							
GREAT FALLS, MONT.-----								
HONOLULU, HAWAII-----								
HOUSTON, TEX.-----	11,977					51,877		
LAREDO, TEX.-----	27,138							
LOS ANGELES, CALIF.-----						44,041		
MIAMI, FLA.-----	21,339							
MILWAUKEE, WIS.-----								
MOBILE, ALA.-----	26,896							
NEW ORLEANS, LA.-----	61,133					24,938		
NEW YORK CITY, N.Y.-----	16,277					31,171		
NOGALES, ARIZ.-----	37,723							
NORFOLK, VA.-----				200				
OGDENSBURG, N.Y.-----						1,367		
PENBINA, N. DAK.-----								
PHILADELPHIA, PA.-----								
PORTLAND, MAINE-----								
PORTLAND, OREG.-----								
PROVIDENCE, R.I.-----								
SAN DIEGO, CALIF.-----	53,851							
SAN FRANCISCO, CALIF.-----	22,846							
SAN JUAN, P.R.-----								
SAVANNAH, GA.-----						10,075		
SEATTLE, WASH.-----								
ST. ALBANS, VT.-----						34,917		
TAMPA, FLA.-----								
VIRGIN ISLANDS OF U.S.-----								
WILMINGTON, N.C.-----	110,952							
SEPTEMBER:								
QUANTITY 4/-----	443,399			200	29,502	198,645		1
VALUE 5/-----	\$13,415,527			\$113,580	\$980,480	\$7,528,879		\$2,105
YEAR-TO-DATE:								
QUANTITY 4/-----	3,719,378	5,575	9,528	773	29,502	2,233,632	35,757	1
VALUE 5/-----	\$118,209,952	\$160,640	\$272,368	\$413,939	\$980,480	\$82,095,356	\$995,855	\$8,328

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1987 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	--VENEZUELA--		--YUGOSLAVIA--		-----T O T A L 4/-----	
	QUANTITY 4/	VALUE 5/	QUANTITY 4/	VALUE 5/	QUANTITY 4/	VALUE 5/
ANCHORAGE, ALASKA-----					600	28,571
BALTIMORE, MD.-----					29,199	225,900
BOSTON, MASS.-----					21,529	216,229
BUFFALO, N.Y.-----					103,066	695,125
CHARLESTON, S.C.-----					29,502	29,613
CHICAGO, ILL.-----					285	
CLEVELAND, OHIO-----					35,608	151,702
DETROIT, MICH.-----					54,274	766,323
DULUTH, MINN.-----					3,629	83,723
EL PASO, TEX.-----					49,746	448,452
GREAT FALLS, MONT.-----					139	299
HONOLULU, HAWAII-----			40		46,341	
HOUSTON, TEX.-----					63,854	586,979
LAREDO, TEX.-----					27,138	229,050
LOS ANGELES, CALIF.-----					156,578	924,087
MIAMI, FLA.-----					90,282	917,725
MILWAUKEE, WIS.-----	24,902				38	
MOBILE, ALA.-----					26,896	448,749
NEW ORLEANS, LA.-----					162,452	1,256,812
NEW YORK CITY, N.Y.-----	15,238				141,630	1,112,423
NOGALES, ARIZ.-----					37,723	294,007
NORFOLK, VA.-----					52,653	321,137
OGDENSBURG, N.Y.-----					49,496	420,713
PEMBINA, N. DAK.-----					19,687	77,522
PHILADELPHIA, PA.-----					21,956	114,830
PORTLAND, MAINE-----					883	9,363
PORTLAND, OREG.-----					32,720	114,795
PROVIDENCE, R.I.-----					15,131	143,517
SAN DIEGO, CALIF.-----					90,756	541,522
SAN FRANCISCO, CALIF.-----					33,055	318,809
SAN JUAN, P.R.-----					5,416	137,489
SAVANNAH, GA.-----					10,075	75,519
SEATTLE, WASH.-----					84,360	508,557
ST. ALBANS, VT.-----					37,314	299,179
TAMPA, FLA.-----	6,429				240,273	1,801,395
VIRGIN ISLANDS OF U.S.-----	220				220	28,827
WILMINGTON, N.C.-----						102,029
SEPTEMBER:						
QUANTITY 4/-----	46,789		40		1,717,963	
VALUE 5/-----	\$1,391,206		\$19,875		\$57,659,349	
YEAR-TO-DATE:						
QUANTITY 4/-----	613,910		220		13,479,736	
VALUE 5/-----	\$15,557,319		\$82,479		\$463,193,224	

W/ WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.

1/ INCLUDES WHITE CEMENT AS SHOWN IN TABLE 6.

2/ INCLUDES CLINKER AS SHOWN IN TABLE 7.

3/ INCLUDES PUERTO RICO.

4/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

5/ VALUE=CIF (COST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1987 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	-----SPAIN-----		---SWELEN---		--VENEZUELA--		-----T O T A L 3/-----	
	QUANTITY 3/	VALUE 4/	QUANTITY 3/	VALUE 4/	QUANTITY 3/	VALUE 4/	QUANTITY 3/	VALUE 4/
BUFFALO, N.Y.					W		W	
DETROIT, MICH.					W		W	
EL PASO, TEX.					206		2,889	
HONOLULU, HAWAII							18	
LAREDO, TEX.					1,065		8,992	
LOS ANGELES, CALIF.							7,428	
MIAMI, FLA.							8,545	
NEW YORK CITY, N.Y.					2,194		9,053	
NOGALES, ARIZ.							589	
OGDENSBURG, N.Y.					W		W	
PHILADELPHIA, PA.					1,367		6,462	
PORTLAND, MAINE							39	
SAN DIEGO, CALIF.					920		5,599	
SAN JUAN, P.R.					413		15,351	
SAVANNAH, GA.					2,688		9,448	
ST. ALBANS, VT.							25	
TAMPA, FLA.							38,659	
VIRGIN ISLANDS OF U.S.			220		220		12,566	
SEPTEMBER:								
QUANTITY 3/	5,249		220		16,564			
VALUE 4/	\$600,673		\$24,000		\$1,710,609			
YEAR-TO-DATE:								
QUANTITY 3/	26,519		15		13,572		211,529	
VALUE 4/	\$3,869,905		\$2,302		\$419,845		\$20,249,864	

W WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.

1/ DATA INCLUDED IN TABLE 5.

2/ INCLUDES PUERTO RICO.

3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1987 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	BELGIUM, -LUXEMBOURG-									
	---	---	---	---	---	---	---	---	---	---
	CANADA	COLOMBIA	FRANCE	GREECE	JAPAN	MEXICO	PANAMA			
BUFFALO, N.Y.	146									29,502
CHARLESTON, S.C.										
CLEVELAND, OHIO										
DETROIT, MICH.	40,574									
HONOLULU, HAWAII										
HOUSTON, TEX.										
LAREDO, TEX.										
MOBILE, ALA.										
NEW ORLEANS, LA.			8,884	25,408		11,814				
NEW YORK CITY, N.Y.			12,033	30,313		26,896				
NORFOLK, VA.						15,984				
SAN JUAN, P.R.	22,707									
SEATTLE, WASH.										
ST. ALBANS, VT.										
TAMPA, FLA.			33,414			38,227				
SEPTEMBER:										
QUANTITY 3/	63,427		54,331	55,721		92,921		29,502		
VALUE 4/	\$2,190,570		\$1,298,369	\$1,507,138		\$1,968,836		\$980,480		
YEAR-TO-DATE:										
QUANTITY 3/	31,159	688,689	57,645	314,615	24,858	965,194		29,502		
VALUE 4/	\$904,544	\$23,097,578	\$1,515,427	\$7,616,169	\$691,334	\$20,798,165		\$980,480		

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1987 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	SPAIN	SEPTEMBER	O T A L	DATE
BUFFALO, N.Y.		146	463	
CHARLESTON, S.C.		29,502	29,502	
CLEVELAND, OHIO			1	
DETROIT, MICH.		40,574	535,310	
HONOLULU, HAWAII			24,857	
HOUSTON, TEX.			192,331	
LAREDO, TEX.		11,814	107,438	
MOBILE, ALA.		26,896	448,749	
NEW ORLEANS, LA.		50,276	405,001	
NEW YORK CITY, N.Y.		30,313	203,801	
NORFOLK, VA.		12,033	31,911	
SAN JUAN, P.R.			52,106	
SEATTLE, WASH.		22,707	167,781	
ST. ALBANS, VT.			695	
TAMPA, FLA.	34,917	106,558	682,129	

SEPTEMBER:

QUANTITY 3/-----	34,917	330,819
VALUE 4/-----	\$651,197	\$8,596,590

YEAR-TO-DATE:

QUANTITY 3/-----	500,813	2,882,075
VALUE 4/-----	\$11,914,691	\$75,551,183

W WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.

11/ DATA INCLUDED IN TABLE 5.

2/ INCLUDES PUERTO RICO.

3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

FIRST CLASS

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

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Table 8.—Salient cement statistics

Year or month	Thousand short tons					Average price 5/ (current \$/s.t.)
	Ship- ments 1/ 2/	Produc- tion 1/	Imports 3/	Exports	Invento- ries 4/	
1962	65,258	66,163	1,059	71	7,332	17.61
1963	68,666	69,260	758	86	7,425	17.17
1964	72,054	72,453	683	134	7,475	17.12
1965	73,637	73,103	1,035	141	6,193	16.90
1966	74,722	75,533	1,328	201	7,651	16.74
1967	73,371	72,539	1,112	184	7,807	16.87
1968	77,980	77,507	1,370	177	7,892	16.95
1969	80,319	78,375	1,821	111	7,129	17.20
1970	76,385	76,116	2,597	159	7,574	17.88
1971	82,397	80,317	3,088	125	6,425	19.01
1972	85,282	84,556	4,911	101	7,036	20.59
1973	90,727	87,573	6,686	825	5,557	22.23
1974	82,914	82,888	5,732	290	7,510	26.79
1975	70,684	69,721	3,702	494	6,923	31.41
1976	75,226	74,495	3,107	466	7,185	34.25
1977	81,614	80,060	4,038	239	6,074	36.76
1978	87,999	85,481	6,597	58	5,351	41.17
1979	87,153	85,904	9,412	151	6,637	46.61
1980	77,723	76,709	5,263	186	6,685	51.29
1981	72,974	72,932	3,997	303	7,408	52.46
1982	65,053	64,341	2,930	203	6,789	51.43
1983	71,865	71,347	4,268	118	6,743	50.45
1984	81,162	78,699	8,846	80	6,899	52.24
1985	84,004	78,859	14,487	98	7,267	51.87
1986:	88,723	79,916	16,319	59	6,725	50.71
Jan	5,676	NA	874	11	NA	65.92
Feb	4,641	NA	1,024	2	NA	66.07
Mar	6,376	NA	973	3	NA	65.84
Apr	8,131	NA	1,244	3	NA	65.69
May	8,454	NA	1,449	4	NA	66.70
Jun	8,771	NA	1,543	10	NA	65.56
Jul	9,168	NA	1,923	5	NA	64.43
Aug	9,090	NA	1,810	4	NA	63.35
Sep	8,980	NA	1,512	4	NA	63.43
Oct	9,588	NA	1,308	4	NA	63.28
Nov	6,861	NA	1,615	3	NA	63.28
Dec	6,023	NA	1,044	3	NA	63.63
1987:						
Jan	5,021	NA	827	3	NA	63.28
Feb	4,904	NA	934	3	NA	63.25
Mar	6,723	NA	1,560	4	NA	63.66
Apr	8,137	NA	1,349	5	NA	63.50
May	8,464	NA	1,745	5	NA	63.50
Jun	9,370	NA	1,712	6	NA	64.35
Jul	9,642	NA	1,817	5	NA	64.25
Aug	8,926	NA	1,820	5	NA	64.25
Sep	9,316	NA	1,718	7	NA	63.73
Oct	9,777	NA	NA	NA	NA	63.73

NA = Not available.

1/Portland and masonry cement, and cement produced from imported clinker, for the 50 States and Puerto Rico.

2/Includes portland cement shipped by domestic producers and distributors.

3/Includes clinker.

4/Since 1973, annual data include Puerto Rico.

5/Annual: f.o.b. plant, Bureau of Mines annual canvass. Monthly: average of quotations for bulk cement in 20 cities, reported monthly in Engineering News Record.

6/Revised