

Other Structural Clay Product Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com-panies ²	All estab-lish-ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
327123, Other structural clay product manufacturing	2002..	50	53	1 689	55 856	1 303	2 728	38 790	146 878	59 435	200 791	16 709
	2001..	N	N	1 522	43 928	1 171	2 374	30 073	108 810	46 340	158 112	5 893
	2000..	N	N	1 473	43 148	1 151	2 342	29 878	108 758	45 057	147 525	6 603
	1999..	N	N	1 452	41 457	1 003	2 198	27 035	95 045	40 470	135 909	8 737
	1998..	N	N	1 490	38 270	1 143	2 312	24 871	90 388	35 981	128 580	8 481
	1997..	48	51	1 332	35 163	1 025	1 945	22 877	80 941	34 771	117 376	4 856

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)					Wages (\$1,000)
327123, Other structural clay product manufacturing												
United States	-	53	20	1 689	55 856	1 303	2 728	38 790	146 878	59 435	200 791	16 709
California	-	7	6	533	17 695	396	815	12 996	54 344	21 582	74 215	9 216
Ohio	-	7	4	405	15 188	323	707	10 709	32 946	11 177	42 052	2 275

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
327123, Other structural clay product manufacturing	
Companies ¹	number.. 50
All establishments ²	number.. 53
Establishments with 1 to 19 employees	number.. 33
Establishments with 20 to 99 employees	number.. 15
Establishments with 100 employees or more	number.. 5
All employees ³	number.. 1 689
Total compensation	\$1,000.. 70 533
Annual payroll	\$1,000.. 55 856
Total fringe benefits	\$1,000.. 14 677
Production workers, average for year	number.. 1 303
Production workers on March 12	number.. 1 307
Production workers on May 12	number.. 1 289
Production workers on August 12	number.. 1 319
Production workers on November 12	number.. 1 294
Production worker hours	1,000.. 2 728
Production worker wages	\$1,000.. 38 790
Total cost of materials	\$1,000.. 59 435
Materials, parts, containers, packaging, etc., used	\$1,000.. 36 403
Resales	\$1,000.. 3 816
Purchased fuels	\$1,000.. 13 892
Purchased electricity	\$1,000.. 5 007
Contract work	\$1,000.. 317
Quantity of electricity purchased for heat and power	1,000 kWh.. 61 472
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 200 791
Primary products value of shipments	\$1,000.. 169 451
Secondary products value of shipments	\$1,000.. 21 962
Total miscellaneous receipts	\$1,000.. 9 378
Value of resales	\$1,000.. 4 876
Contract receipts	\$1,000.. 4 166
Other miscellaneous receipts	\$1,000.. 336
Primary products specialization ratio	percent.. 89
Value of primary products shipments made in all industries	\$1,000.. 191 457
Value of primary products shipments made in this industry	\$1,000.. 169 451
Value of primary products shipments made in other industries	\$1,000.. 22 006
Coverage ratio	percent.. 89
Value added	\$1,000.. 146 878
Total inventories, beginning of year	\$1,000.. 28 684
Finished goods inventories	\$1,000.. 20 632
Work-in-process inventories	\$1,000.. 2 125
Materials and supplies inventories	\$1,000.. 5 927
Total inventories, end of year	\$1,000.. 36 024
Finished goods inventories	\$1,000.. 25 585
Work-in-process inventories	\$1,000.. 2 694
Materials and supplies inventories	\$1,000.. 7 745
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '117 118
Total capital expenditures (new and used)	\$1,000.. '16 709
Buildings and other structures (new and used)	\$1,000.. '4 238
Machinery and equipment (new and used)	\$1,000.. '12 471
Automobiles, trucks, etc., for highway use	\$1,000.. '512
Computers and peripheral data processing equipment	\$1,000.. '250
All other expenditures for machinery and equipment	\$1,000.. '11 709
Total retirements	\$1,000.. '3 902
Gross value of depreciable assets at end of year	\$1,000.. '129 925
Depreciation charges during year	\$1,000.. '5 643
Total rental payments	\$1,000.. 2 030
Buildings and other structures	\$1,000.. 1 027
Machinery and equipment	\$1,000.. 1 003
Total other expenses ⁴	\$1,000.. 17 281
Response coverage ratio ⁵	percent.. 93
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 4 371
Communications services ⁴	\$1,000.. 513
Legal services ⁴	\$1,000.. 510
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 211
Advertising and promotional services ⁴	\$1,000.. 2 075
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 428
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 256
Management consulting and administrative services ⁴	\$1,000.. 393
Taxes and license fees ⁴	\$1,000.. 800
All other expenses ⁴	\$1,000.. 7 725

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327123, Other structural clay product manufacturing											
All establishments	—	53	1 689	55 856	1 303	2 728	38 790	146 878	59 435	200 791	'16 709
Establishments with—											
1 to 4 employees	7	19	45	1 091	32	58	685	2 412	837	3 247	'83
5 to 9 employees	2	6	37	872	25	45	561	2 414	871	3 230	'99
10 to 19 employees	1	8	113	3 097	86	175	2 044	7 053	2 976	9 826	'981
20 to 49 employees	—	9	350	12 254	260	450	7 296	41 140	17 252	60 157	'1 326
50 to 99 employees	—	6	393	12 280	314	669	8 632	30 279	19 222	46 895	'2 314
100 to 249 employees	—	5	751	26 262	586	1 331	19 572	63 580	18 277	77 436	11 906
250 to 499 employees	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	15	31	759	24	44	521	1 643	615	2 258	'60

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
327123	Other structural clay product manufacturing	53	1 689	55 856	1 303	2 728	38 790	146 878	59 435	200 791	'16 709
3271231	Vitrified clay sewer pipe and fittings .	7	572	18 712	439	1 022	13 860	48 238	21 718	65 129	'2 545
3271234	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	23	1 021	34 729	788	1 560	23 186	93 339	35 908	128 557	'13 985

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
327123	Other structural clay product manufacturing	2002.. N 1997.. N	X X	X X	191 457 120 284
3271231	Vitrified clay sewer pipe and fittings	2002.. N 1997.. N	X X	X X	50 407 46 531
32712311	Vitrified clay sewer pipe and fittings	2002.. N 1997.. N	X X	X X	50 407 46 531
3271231100	Vitrified clay sewer pipe and fittings ¹	2002.. 5 1997.. 6	X X	X X	50 407 46 531
3271234	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	2002.. N 1997.. N	X X	X X	135 102 63 929
32712341	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	2002.. N 1997.. N	X X	X X	135 102 63 929
3271234100	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories ²	2002.. 35 1997.. 23	X X	X X	135 102 63 929
327123W	Other structural clay product manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	5 948 9 824
327123WY	Other structural clay product manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	5 948 9 824
327123WYWW	Other structural clay product manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	3 714 1 682
327123WYWY	Other structural clay product manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	2 234 8 142

¹For additional detail, see Current Industrial Report MQ327D, Clay Construction Products.

²For additional detail, see Current Industrial Report MA327C, Refractories.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
3271231	Vitrified clay sewer pipe and fittings		
	United States.....	2002.. 50 407 1997.. 46 531	
3271234	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories		
	United States.....	2002.. 135 102 1997.. 63 929	
	California	2002.. 44 384 1997.. 17 151	
	Ohio	2002.. 37 215 1997.. 23 184	

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
327123	Other structural clay product manufacturing		
0090001	Total materials	X	36 403
	.....2002..	X	22 975
	.....1997..	X	15 144
21232011	Clay, ceramic, and refractory minerals	X	5 835
	.....2002..	X	2 726
	.....1997..	X	1 360
3250003	Industrial chemicals	X	
	.....2002..	X	
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies	X	18 162
	.....2002..	X	8 862
	.....1997..	X	371
00971000	Materials, ingredients, containers, and supplies, nsk	X	6 918
	.....2002..	X	
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.