

Ceramic Wall and Floor Tile 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 expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
327122, Ceramic wall and floor tile manufacturing	2002.. 188	203	6 482	202 466	5 316	10 604	146 732	659 874	320 685	978 394	133 756
	2001.. N	N	8 282	229 906	6 747	12 715	170 301	757 638	394 632	1 162 502	52 826
	2000.. N	N	9 163	251 681	7 607	14 411	185 898	668 546	340 594	989 403	85 974
	1999.. N	N	8 705	229 154	6 619	13 118	161 043	680 560	315 544	973 068	58 795
	1998.. N	N	8 337	203 764	7 114	13 849	159 136	526 377	298 724	808 892	41 752
	1997.. 157	168	8 755	214 860	7 439	15 017	166 180	556 920	297 905	851 405	58 800

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)				
327122, Ceramic wall and floor tile manufacturing												
United States	2	203	41	6 482	202 466	5 316	10 604	146 732	659 874	320 685	978 394	133 756
California	5	43	9	600	17 196	477	951	11 028	43 798	20 515	64 185	2 452
Florida	1	14	2	226	6 819	203	381	5 507	26 759	6 066	31 511	261
Ohio	—	9	6	669	19 172	464	903	14 208	40 706	18 648	66 826	2 387
Tennessee	2	8	4	843	33 653	594	1 224	18 699	103 544	52 189	153 414	4 291
Texas	1	15	8	1 786	53 099	1 547	3 126	41 138	195 361	100 310	294 445	12 960

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
327122, Ceramic wall and floor tile manufacturing	
Companies ¹	number.. 188
All establishments ²	number.. 203
Establishments with 1 to 19 employees	number.. 162
Establishments with 20 to 99 employees	number.. 20
Establishments with 100 employees or more	number.. 21
All employees ³	number.. 6 482
Total compensation	\$1,000.. 251 724
Annual payroll	\$1,000.. 202 466
Total fringe benefits	\$1,000.. 49 258
Production workers, average for year	number.. 5 316
Production workers on March 12	number.. 5 394
Production workers on May 12	number.. 5 413
Production workers on August 12	number.. 5 221
Production workers on November 12	number.. 5 223
Production worker hours	1,000.. 10 604
Production worker wages	\$1,000.. 146 732
Total cost of materials	\$1,000.. 320 685
Materials, parts, containers, packaging, etc., used	\$1,000.. 198 262
Resales	\$1,000.. 60 182
Purchased fuels	\$1,000.. 37 602
Purchased electricity	\$1,000.. 23 035
Contract work	\$1,000.. 1 604
Quantity of electricity purchased for heat and power	1,000 kWh.. 426 217
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 978 394
Primary products value of shipments	\$1,000.. D
Secondary products value of shipments	\$1,000.. D
Total miscellaneous receipts	\$1,000.. 77 113
Value of resales	\$1,000.. D
Contract receipts	\$1,000.. -
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. D
Value of primary products shipments made in all industries	\$1,000.. 922 087
Value of primary products shipments made in this industry	\$1,000.. D
Value of primary products shipments made in other industries	\$1,000.. D
Coverage ratio	percent.. D
Value added	\$1,000.. 659 874
Total inventories, beginning of year	\$1,000.. 133 481
Finished goods inventories	\$1,000.. 85 883
Work-in-process inventories	\$1,000.. 8 471
Materials and supplies inventories	\$1,000.. 39 127
Total inventories, end of year	\$1,000.. 137 754
Finished goods inventories	\$1,000.. 85 893
Work-in-process inventories	\$1,000.. 10 626
Materials and supplies inventories	\$1,000.. 41 235
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 867 473
Total capital expenditures (new and used)	\$1,000.. '33 756
Buildings and other structures (new and used)	\$1,000.. '5 950
Machinery and equipment (new and used)	\$1,000.. '27 806
Automobiles, trucks, etc., for highway use	\$1,000.. '954
Computers and peripheral data processing equipment	\$1,000.. '3 946
All other expenditures for machinery and equipment	\$1,000.. '22 906
Total retirements	\$1,000.. '11 088
Gross value of depreciable assets at end of year	\$1,000.. '890 141
Depreciation charges during year	\$1,000.. '48 992
Total rental payments	\$1,000.. 12 199
Buildings and other structures	\$1,000.. 7 003
Machinery and equipment	\$1,000.. 5 196
Total other expenses ⁴	\$1,000.. 39 639
Response coverage ratio ⁵	percent.. 60
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 11 960
Communications services ⁴	\$1,000.. 1 431
Legal services ⁴	\$1,000.. 949
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 472
Advertising and promotional services ⁴	\$1,000.. 6 587
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 926
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 032
Management consulting and administrative services ⁴	\$1,000.. 2 408
Taxes and license fees ⁴	\$1,000.. 2 206
All other expenses ⁴	\$1,000.. 10 669

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)				
327122, Ceramic wall and floor tile manufacturing											
All establishments	2	203	6 482	202 466	5 316	10 604	146 732	659 874	320 685	978 394	'33 756
Establishments with—											
1 to 4 employees	9	109	226	6 246	197	373	4 964	19 707	8 213	27 854	'731
5 to 9 employees	8	35	236	6 785	213	430	5 632	26 965	9 836	36 628	'857
10 to 19 employees	8	18	245	7 192	221	447	5 782	20 759	9 307	30 089	'1 660
20 to 49 employees	4	12	381	11 499	287	523	6 650	28 939	8 951	38 010	'1 136
50 to 99 employees	1	8	608	15 582	512	996	11 290	38 430	20 306	60 731	'2 141
100 to 249 employees	4	13	2 159	71 799	1 766	3 564	51 426	237 221	107 697	338 157	'7 098
250 to 499 employees	—	8	2 627	83 363	2 120	4 271	60 988	287 853	156 375	446 925	20 133
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	149	583	16 797	529	1 048	13 789	53 541	23 455	76 987	'2 126

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)				
327122	Ceramic wall and floor tile manufacturing	203	6 482	202 466	5 316	10 604	146 732	659 874	320 685	978 394	'33 756
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)	203	6 482	202 466	5 316	10 604	146 732	659 874	320 685	978 394	'33 756

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)
327122	Ceramic wall and floor tile manufacturing	2002.. N 1997.. N	X X	X X	922 087 804 762
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)	2002.. N 1997.. N	X X	X X	922 087 804 762
32712201	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)	2002.. N 1997.. N	X X	X X	821 370 774 962
3271220100	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) ¹	2002.. 32 1997.. 53	X X	X X	821 370 774 962
3271220Y	Clay floor and wall tile, glazed and unglazed, nsk, total	2002.. N 1997.. N	X X	X X	100 717 29 800
3271220YWW	Ceramic wall and floor tile, glazed and unglazed, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	35 008 1 073
3271220YWY	Ceramic wall and floor tile, glazed and unglazed, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	65 709 28 727

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

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**

[Not applicable for this report.]

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)
327122	Ceramic wall and floor tile manufacturing		
0090001	Total materials	X	198 262
	.....2002..	X	214 168
	.....1997..	X	44 276
21232011	Clay, ceramic, and refractory minerals	X	106 860
	.....2002..	X	11 839
	.....1997..	X	20 422
3250003	Industrial chemicals	X	
	.....2002..	X	
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies	X	96 415
	.....2002..	X	47 890
	.....1997..	X	45 732
00971000	Materials, ingredients, containers, and supplies, nsk	X	38 996
	.....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.