

*(Formerly Series No. MA28F)*

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: [www.stat-usa.gov/](http://www.stat-usa.gov/).

NOTE: Data are now published on the new North American Industry Classification

System (NAICS) basis and therefore are not always comparable American Industry Classification System (NAICS) basis and therefore are not always comparable (SIC) code. For further information on NAICS, see [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html).

#### Summary of Findings:

In 1999, total manufacturers' shipments of paint and allied products amounted to \$18,012.3 million, an increase of 4.1 percent from the 1998 shipments of \$17,298.2 million. Shipments of architectural coatings increased 11.5 percent to \$6,816.2 million in 1999 from \$6,115.2 million in 1998. Shipments of OEM coatings increased 1.8 percent to \$6,208.2 million in 1999 from \$6,098.7 million in 1998. Shipments of powder coatings increased 11.6 percent to \$810.3 million in 1999 from \$725.8 million in 1998. Shipments of special-purpose coatings increased 0.7 percent to \$3,496.2 million in 1999 from \$3,472.0 million in 1998. Shipments of miscellaneous allied paint products decreased 8.1 percent to \$1,491.7 million in 1999 from \$1,612.8 million in 1998.

## Current Industrial Reports

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Thanos Theodoropoulos, 301-457-1606.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

## U S C E N S U S B U R E A U

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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. Census Bureau



Table 1. Summary of Estimated U.S. Total Quantity and Value of Shipments of Paint and Allied Products: 1994 to 1999  
 [Quantity in millions of gallons. Value in millions of dollars]

Year	Total		Architectural coatings		Product coatings OEM		Special-purpose coatings		Miscellaneous allied paint products	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1999.....	1,486.3	18,012.3	677.1	6,816.2	446.0	6,208.2	170.4	3,496.2	192.8	1,491.7
1998.....	1,443.7	17,298.2	631.6	6,115.2	428.3	6,098.2	173.3	3,472.0	210.5	1,612.8
1997.....	1,472.8	16,559.5	655.6	6,264.9	425.4	5,750.7	181.8	2,896.0	210.0	1,647.9
1996.....	1,468.2	16,554.7	640.3	6,246.3	398.7	5,474.1	208.9	3,263.8	220.3	1,570.5
1995.....	1,408.3	15,951.6	621.1	6,041.3	376.2	5,263.6	195.1	3,103.0	215.9	1,543.7
1994.....	1,431.1	15,645.2	644.8	5,888.3	372.9	5,069.9	193.8	3,197.3	219.6	1,489.7

Note: Data for 1994 through 1999 are estimates of the total U.S. value of shipments of paint, varnish, and lacquer. These estimates were developed by increasing the product class totals shown in Table 2 by adjustment factors. For 1999 and 1998 these factors are: 1.002 for "Architectural coatings," .993 for "Product coatings OEM," 1.051 for "Special-purpose coatings," and 1.048 for "Miscellaneous paint products." For example, the quantity and value of OEM coatings for 1999 shown in Table 2 amounted to \$449,164 and \$6,251,977, respectively. Adjusting these data by factor of .993 (multiplying \$449,164 and \$6,251,977 by .993) equals the adjusted and rounded quantity and value of 446.0 and \$6,208.2 shown in Table 1. For 1994 through 1997 the adjustment factors are: 1.008 for "Architectural coatings," 0.989 for "Product coatings OEM," 1.011 for "Special-purpose coatings," and 1.026 for "Miscellaneous paint products." These factors are used because the annual survey panel was selected to measure approximately 95 percent of the total shipments in the paint industry (NAICS 325510 former SIC 2851). The adjustment factors (based on the 1997 census relationships) bring each product code value up to 100 percent. Quarterly data for 1999 and 1998 reflect the adjusted totals in Table 1 and are shown in Table 3 along with the quarterly data originally published in the Current Industrial Reports, quarterly series MQ325F (MQ28F), Paint, Varnish, and Lacquer.

Table 2. Quantity and Value of Shipments of Paint and Allied Products: 1999 and 1998  
 [Quantity in thousand of gallons. Value in thousand of dollars]

Product code	Product description	1999		1998	
		Quantity	Value	Quantity	Value
	Paint and allied products 1/.....	1,471,055	17,804,434	1,427,384	17,086,657
3255101	Architectural coatings.....	675,739	6,802,562	630,323	6,102,963
	Exterior solvent type.....	86,279	1,084,179	77,101	840,576
3255101111	Solvent thinned paints and tinting bases, including barn and roof paints.....	24,518	231,978	18,589	178,225
3255101115	Solvent thinned enamels and tinting bases, including exterior-interior floor enamels.....	18,024	370,072	15,469	239,641
3255101119	Solvent thinned undercoaters and primers.....	10,036	123,337	9,890	112,146
3255101121	Solvent thinned clear finishes and sealers.....	7,663	84,355	10,943	85,395
3255101125	Solvent thinned stains, including shingle and shake.....	14,529	172,330	11,362	133,170
3255101129	Other exterior solvent thinned coatings, including bituminous paints.....	11,509	102,107	10,848	91,999
	Exterior water-type.....	180,302	1,784,128	180,392	1,778,966
3255101131	Water thinned paints and tinting bases, including barn and roof paints.....	111,022	1,204,064	128,091	1,279,369
3255101135	Water thinned exterior-interior deck and floor enamels.....	3,756	34,224	2,279	22,199
3255101139	Water thinned undercoaters and primers.....	12,112	137,119	11,323	127,618
3255101141	Water thinned stains and sealers.....	23,874	179,451	17,275	153,358
3255101145	Other exterior water thinned coatings.....	29,538	229,270	21,424	196,422
	Interior solvent type.....	52,091	633,940	49,514	540,774
3255101211	Flat solvent thinned wall paint and tinting bases, including mill white paints.....	3,347	44,782	3,512	36,731
3255101215	Gloss and quick drying enamels and other gloss solvent thinned paints and enamels.....	3,480	48,938	3,679	48,726
3255101219	Semigloss, eggshell, satin solvent thinned paints and tinting bases.....	12,670	181,036	11,548	150,248
3255101221	Solvent thinned undercoaters and primers.....	11,552	120,020	11,197	109,473
3255101225	Solvent thinned clear finishes and sealers.....	8,337	133,447	7,599	100,418
3255101229	Solvent thinned stains.....	2,510	30,506	2,209	26,464
3255101231	Other interior solvent thinned coatings.....	10,195	75,211	9,770	68,714
	Interior water-type.....	349,853	3,231,198	315,636	2,864,206
3255101235	Flat water thinned paints and tinting bases.....	154,452	1,240,883	137,781	1,126,626
3255101239	Semigloss, eggshell, satin, and other water thinned paints and tinting bases.....	130,698	1,358,156	114,602	1,158,944
3255101241	Water thinned undercoaters and primers.....	32,695	246,788	29,148	223,159
3255101245	Other interior water thinned coatings, stains, and sealers.....	32,008	385,371	34,105	355,477
3255101249	Architectural lacquers.....	5,533	49,984	5,575	50,072
3255101YWV	Architectural coatings, n.s.k. ....	1,681	19,133	2,105	28,369
3255104	Product finishes for original equipment manufacturers (OEM), excluding marine coatings.....	449,164	6,251,977	r/ 431,278	6,141,237
3255104111	Automobile, light truck, van, and sport utility vehicle finishes.....	47,270	1,102,527	46,456	1,089,447
3255104121	Automobile parts finishes.....	2,702	87,377	r/ 2,787	r/ 93,975
3255104131	Heavy duty truck, bus, and recreational vehicle finishes.....	15,489	358,052	16,439	350,379
3255104141	Other transportation equipment finishes, including aircraft and railroad.....	12,898	162,245	13,952	r/ 177,409
3255104211	Appliance, heating equipment, and air-conditioner finishes.....	6,798	86,922	6,573	83,599
3255104215	Wood furniture, cabinet, and fixture finishes.....	60,544	607,040	59,679	610,285
3255104219	Wood and composition board flat stock finishes.....	18,707	188,178	17,757	179,696
3255104221	Metal building product finishes, including coatings for aluminum extrusions and siding.....	44,806	755,236	41,020	658,146
3255104225	Container and closure finishes.....	37,391	466,886	49,220	504,209
3255104229	Machinery and equipment finishes, including road building equipment and farm implements.....	15,331	310,417	16,039	328,191
3255104231	Nonwood furniture and fixture finishes, including business equipment finishes.....	48,276	593,566	30,775	411,213
3255104235	Paper, paper board, film, and foil finishes, excluding pigment binders.....	17,033	136,828	18,349	139,442
3255104239	Electrical insulating coatings.....	1,818	54,202	2,925	112,521
	Powder coatings.....	64,659	815,988	r/ 56,843	730,888
3255104241	Appliance powder coatings 2/.....	9,872	138,474	r/ 8,137	110,482
3255104245	Automotive powder coatings 2/.....	10,654	139,829	r/ 9,358	128,186
3255104249	Architectural powder coatings (such as aluminum extrusions) 2/.....	1,837	25,921	r/ 1,794	25,133
3255104251	Lawn and garden powder coatings 2/.....	3,236	53,870	r/ 2,916	49,047
3255104255	General metal finishing powder coatings 2/.....	27,689	387,929	r/ 23,471	339,083
3255104259	Thermoset functional powder coatings (for pipe, rebar, electrical insulation, etc.) 2/.....	(D)	(D)	(D)	(D)

Continued

Table 2. Quantity and Value of Shipments of Paint and Allied Products: 1999 and 1998  
 [Quantity in thousand of gallons. Value in thousand of dollars]

Product code	Product description	1999		1998	
		Quantity	Value	Quantity	Value
3255104261	Thermoplastic powder coatings (all) 2/.....	(D)	(D)	(D)	(D)
3255104265	Other industrial product finishes.....	46,046	451,992	46,961	531,473
3255104YWV	Product finishes for original equipment manufacturers (OEM), excluding marine coatings, n.s.k. ....	9,396	74,521	5,503	140,364
3255107	Special-purpose coatings, including all marine coatings.....	162,157	3,326,554	r/ 164,876	3,303,492
	Industrial new construction and maintenance paints (especially formulated coatings for special conditions of industrial plants and/or facilities requiring protection against extreme temperatures, fungi, chemicals, fumes, etc.):				
3255107011	Interior.....	15,686	166,061	17,354	180,184
3255107015	Exterior.....	31,779	718,788	r/ 32,343	r/ 715,365
3255107021	Traffic marking paints (all types, shelf goods and highway department).....	35,309	222,200	32,952	221,559
3255107031	Automotive, other transportation and machinery refinish paints and enamels, including primers.....	50,023	1,685,472	53,271	1,634,682
3255107041	Marine paints, ship and off-shore facilities and shelf goods for both new construction and marine refinish and maintenance, excluding spar varnish.....	12,087	304,919	(D)	(D)
3255107051	Marine paints for yacht and pleasure craft, new construction, refinish and maintenance.....	79	1,157	(D)	(D)
3255107061	Aerosol-paint concentrates produced for packaging in aerosol containers.....	13,296	145,572	r/ 12,269	160,635
3255107YWV	Special-purpose coatings, n.s.k. ....	3,898	82,385	4,318	95,709
325510A	Miscellaneous allied paint products.....	183,995	1,423,341	200,907	r/ 1,538,965
325510A011	Paint and varnish removers.....	6,833	61,055	7,470	69,225
325510A021	Thinners for lacquers and other solvent based paint products.....	32,649	132,291	36,055	173,295
325510A031	Pigment dispersions.....	27,668	417,272	r/ 27,707	r/ 432,295
325510A041	Other miscellaneous allied paint products, including brush cleaners, ink vehicles, putty and glazing compounds, etc. ....	113,892	761,173	125,691	r/ 800,049
325510AYWV	Miscellaneous allied paint products, n.s.k. ....	2,953	51,550	3,984	64,101

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals. n.s.k. Not specified by kind.  
 r/Revised by 5 percent or more from previously published data.

1/Represents total shipments for those establishments producing paint and allied products that have 20 or more employees. These establishments represent approximately 95 percent of the total value of shipments for NAICS industry 325510, Paint, varnishes, lacquers, enamels, and allied products, based on relationships observed in the 1997 Census of Manufactures final report.

2/Data for powder coatings are collected in pounds and converted to gallons by using a NEW conversion factor of 5 (5 lb = 1 gallon). Based on the industry's input, we replaced the outdated factor of 3 (3 lb = 1 gallon) and applied the new factor 5 to both 1999 and 1998 collected data. Data collected in pounds amounted to 323,295 thousand pounds in 1999 and 284,215 thousand pounds in 1998.



Table 4. Shipments, Exports, Imports, and Apparent Consumption of Selected Paints: 1999 and 1998  
 [Quantity in millions of gallons. Value in millions of dollars]

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/		Percent exports to manufacturers' shipments		Imports for consumption 2/		Apparent consumption 4/		
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value 3/	Quantity	Value	
3255101000, 4000, 7000	Paint, varnish, and lacquer.....	1999...	1,293.5	16,520.6	(NA)	943.9	(NA)	5.7	(NA)	368.0	(NA)	15,944.7
		1998..	1,233.2	15,685.4	(NA)	887.8	(NA)	5.7	(NA)	307.4	(NA)	15,105.0
325510A011, A021	Paint and varnish remover, including thinners.....	1999...	41.4	202.6	(NA)	69.8	(NA)	34.5	(NA)	17.3	(NA)	150.1
		1998..	45.6	254.2	(NA)	68.5	(NA)	26.9	(NA)	17.3	(NA)	203.0
325510A041	Other miscellaneous allied paint products.....	1999..	119.4	797.7	(NA)	151.7	(NA)	19.0	(NA)	90.7	(NA)	736.7
		1998..	131.7	838.4	(NA)	144.8	(NA)	17.3	(NA)	76.5	(NA)	770.1

NA Not available.

1/Source: Census Bureau report EM 545, U. S. Exports.

2/Source: Census Bureau report IM 145, U. S. Imports for Consumption.

3/This dollar value represents the c.i.f. (cost, insurance, and freight) value at first port of entry in the United States plus U.S. import duties.

4/Apparent consumption is equal to domestic shipments, plus imports, minus exports.

**Table 5. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1999**

<b>Product code</b>	<b>Product description</b>	<b>Export number 1/</b>	<b>Import number 2/</b>
3255101000, 4000, 7000	Paint, varnish, and lacquer.....	3208.10.0000	3208.10.0000
		3208.20.0000	3208.20.0000
		3208.90.0000	3208.90.0000
		3209.10.0000	3209.10.0000
		3209.90.0000	3209.90.0000
325510A011, A021	Paint and varnish remover, including thinners..	3814.00.0000	3814.00.1000
			3814.00.2000
			3814.00.5010
			3814.00.5090
325510A041	Other miscellaneous allied paint products.....	3210.00.0000	3210.00.0000
			3211.00.0000
			3214.10.0020
			3214.10.0090

1/Source: 1999 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (1999).