

Mineral Industry Surveys

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GYPSUM IN THE SECOND QUARTER 2013

Producers mined 2.61 million metric tons (Mt) of gypsum during the second quarter of 2013 (table 1). This was 23% less than that of the first quarter of 2013 and 12% more than that of the second quarter of 2012. Synthetic gypsum production was 2.10 Mt in the second quarter of 2013 (table 1), which was 17% more than that of the first quarter of 2013 and no change from that of the second quarter of 2012. During the second quarter of 2013, synthetic gypsum accounted for about 39% of the 5.45 Mt total supply of gypsum in the United States. Both mined and synthetic gypsum are used as raw material for wallboard. The wallboard industry is the leading domestic consumer of gypsum.

Sales of uncalcined gypsum in the second quarter of 2013, mainly for portland cement manufacture and for agricultural uses, were 444,000 metric tons (t) (table 2), which were 10% more than those of the first quarter of 2013 and 11% more than those of the second quarter of 2012.

Sales of calcined gypsum for the second quarter of 2013 (table 1) were 3.44 Mt, which were 18% more than those of the first quarter of 2013 and 12% more than those of the second quarter of 2012. Sales of board products (table 2) were 4.24 Mt, equivalent to approximately 473 million square meters (5.09 billion square feet), which were 21% more than those of the first

quarter of 2013 and 14% more than those of the second quarter of 2012.

According to the U.S. Census Bureau, imports of crude gypsum in the second quarter of 2013 were 735,000 t (table 3), a decrease of 14% from those of the first quarter of 2013 and 14% less than those of the second quarter of 2012. Mexico was the source of 46% of crude gypsum imports, followed by Canada with 31%, and Spain with 22%.

Gypsum wallboard imports for the second quarter of 2013 were 82,600 t, equivalent to about 9.2 million square meters (98.9 million square feet). These imports were 16% more than those of the first quarter of 2013 and 17% more than those of the second quarter of 2012. Mexico was the source of 55% of wallboard imports, followed by Canada with 42%.

Wallboard exports to 41 countries and territories in the second quarter of 2013 were 224,000 t, equivalent to 24.9 million square meters (268 million square feet). This was 10% more than that of the first quarter of 2013 and 4% more than that of the second quarter of 2012. Most wallboard exports were shipped to 29 Western Hemisphere countries, with Canada accounting for 92%.

All percentages in this report were computed based on unrounded data.

TABLE 1
GYPSUM SUPPLY^{1,2}

(Metric tons)

	2012				2013		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter ³	1st quarter	2d quarter	1st quarter– 2nd quarter ³
Crude:							
Mined ⁴	2,330,000	2,510,000	2,620,000	9,840,000	3,410,000	2,610,000	6,020,000
Imported ⁵	857,000	921,000	721,000	3,250,000	852,000	735,000	1,590,000
Synthetic gypsum ⁶	2,100,000	2,210,000	2,030,000	8,230,000	1,790,000	2,100,000	3,890,000
Total supply	5,280,000	5,640,000	5,380,000	21,300,000	6,050,000	5,450,000	11,500,000
Crude, exported ⁵	80,200	76,000	80,700	408,000	71,300	32,600	104,000
Consumption	5,200,000	5,570,000	5,300,000	20,900,000	5,980,000	5,410,000	11,400,000
Calcined:							
Produced	3,080,000	3,370,000	3,330,000	12,800,000	2,910,000	3,440,000	6,350,000
Imported ⁷	4,670	4,390	3,560	16,600	4,010	4,490	8,500
Total supply	3,080,000	3,370,000	3,330,000	12,800,000	2,910,000	3,440,000	6,360,000
Exported ⁷	30,300	43,300	30,800	140,000	28,700	34,600	63,300
Consumption	3,050,000	3,330,000	3,300,000	12,600,000	2,890,000	3,410,000	6,290,000

¹Includes data from the Gypsum Association.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³May include revisions to previously published data.

⁴Some data were estimated from semiannual reports.

⁵Import and export data are for "Gypsum; anhydrite," Harmonized Tariff Schedule 2520.10.0000.

⁶Reported production only.

⁷Import and export data are for "Plaster," Harmonized Tariff Schedule 2520.20.0000.

TABLE 2
GYPSUM SOLD OR USED BY PRODUCERS, BY USE^{1,2}

(Metric tons, unless otherwise specified)

	2012				2013		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter ³	1st quarter	2d quarter	1st quarter– 2nd quarter ³
Uncalcined:⁴							
Portland cement	233,000	297,000	255,000	1,010,000	220,000	273,000	493,000
Agriculture and miscellaneous	166,000	148,000	42,800	485,000	183,000	170,000	354,000
Total	398,000	445,000	298,000	1,490,000	403,000	444,000	847,000
Calcined:							
Board products ⁵	3,730,000	4,140,000	4,330,000	15,800,000	3,500,000	4,240,000	7,740,000
Plaster	17,900	18,800	17,100	75,500	19,000	20,300	39,300
Total	3,750,000	4,160,000	4,340,000	15,800,000	3,520,000	4,260,000	7,780,000
Board products: (thousand square feet)⁶							
Regular board	2,440,000	2,760,000	2,840,000	10,400,000	2,350,000	2,810,000	5,160,000
Type X board	1,500,000	1,610,000	1,700,000	6,240,000	1,310,000	1,650,000	2,960,000
Other	538,000	599,000	650,000	2,310,000	550,000	623,000	1,170,000
Total supply	4,470,000	4,970,000	5,190,000	18,900,000	4,200,000	5,090,000	9,290,000

¹Includes data from the Gypsum Association.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³May include revisions to previously published data.

⁴Does not include synthetic gypsum from electric powerplants.

⁵Includes weight of paper and other materials.

⁶One square meter equals 10.78 square feet.

TABLE 3
CRUDE GYPSUM IMPORTED FOR CONSUMPTION¹

(Metric tons)

Country of origin	2012				2013		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter ²	1st quarter	2d quarter	1st quarter– 2nd quarter ²
Brazil	--	1	--	2	--	--	--
Canada	205,000	348,000	299,000	1,020,000	272,000	228,000	501,000
China	189	--	--	842	--	--	--
France	152	--	57	285	38	38	76
Germany	91	19	19	152	38	19	57
Hong Kong	--	2	--	2	--	--	--
Japan	1	2	1	5	--	19	19
Mexico	398,000	310,000	376,000	1,420,000	341,000	342,000	683,000
Spain	254,000	262,000	45,400	809,000	238,000	165,000	403,000
Switzerland	--	--	--	--	--	1	1
Thailand	--	--	--	--	5	9	14
United Kingdom	--	--	--	5	1	--	1
Total	857,000	921,000	721,000	3,250,000	852,000	735,000	1,590,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revisions to previously published data.

Source: U.S. Census Bureau.

TABLE 4
CRUDE GYPSUM IN THE UNITED STATES^{1,2}

(Thousand metric tons)

Period	Consumption ³	Production ⁴	Imports ⁵	Exports ⁵
2012:				
2d quarter	3,100	2,330	857	80
3d quarter	3,350	2,510	921	76
4th quarter	3,260	2,620	721	81
1st quarter–4th quarter	12,700	9,840	3,250	408
2013:				
1st quarter	4,190	3,410	852	71
2d quarter	3,310	2,610	735	33
1st quarter–2nd quarter	7,500	6,020	1,590	104

¹Excludes synthetic gypsum.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Consumption calculated by adding the production and imports shown in this table and subtracting exports shown in this table. Quarterly inventory changes are not included.

⁴Production data are from the semiannual gypsum canvasses of the non-wallboard producers, annual canvass of all producers, and from quarterly data furnished by the Gypsum Association from the wallboard producers.

⁵Data from U.S. Census Bureau.

TABLE 5
SALES OF GYPSUM BOARD PRODUCTS, BY SALES REGIONS IN 2013^{1,2}

(Thousand square feet)³

	New England	Middle Atlantic	E. North Central	W. North Central	South Atlantic	E. South Central	W. South Central	Mountain	Pacific	Exports	Total
2nd quarter:											
Veneer base	30,700	2,980	8,770	583	6,700	20	20	161	1,760	88	51,800
Sheathing	2,660	7,350	6,970	6,100	19,900	4,950	20,300	6,580	14,700	11,000	100,000
Regular gypsum board	55,700	270,000	291,000	189,000	686,000	191,000	484,000	240,000	258,000	150,000	2,810,000
Type X gypsum board	55,100	181,000	183,000	134,000	263,000	60,600	247,000	163,000	306,000	60,100	1,650,000
Liner panel	1,750	6,930	2,370	1,250	13,800	836	4,510	1,790	2,960	735	36,900
Predecorated board	727	1,870	1,880	1,140	3,180	1,050	1,790	903	1,610	280	14,400
5/16 Mobile home board	--	2,650	3,450	26	1,410	10,500	1,430	758	95	36	20,400
Water/moisture resistant board	17,400	81,900	50,600	22,400	83,000	20,600	41,600	17,500	41,500	22,500	399,000
Total	164,000	554,000	548,000	355,000	1,080,000	289,000	801,000	430,000	627,000	244,000	5,090,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Sales region equivalent to U.S. Census Bureau Geographic Division as follows: New England (CT, MA, ME, NH, RI, VT); Middle Atlantic (NJ, NY, PA); East North Central (IL, IN, MI, OH, WI); West North Central (IA, KS, MN, MO, NE, ND, SD); South Atlantic (DC, DE, FL, GA, MD, NC, SC, VA, WV); East South Central (AL, KY, MS, TN); West South Central (AR, LA, OK, TX); Mountain (AZ, CO, ID, MT, NM, NV, UT, WY); Pacific (AK, CA, HI, OR, WA).

³One square meter equals 10.78 square feet.

Source: Gypsum Association.