

Mineral Industry Surveys

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GYPSUM IN THE SECOND QUARTER 2012

Producers mined 2.33 million metric tons (Mt) of gypsum during the second quarter of 2012 (table 1). This amount was slightly less than that of the first quarter of 2012 and 3% more than that of the second quarter of 2011. Synthetic gypsum production was 2.10 Mt in the second quarter of 2012 (table 1), which was 12% more than that of the first quarter of 2012 and 21% more than that of the second quarter of 2011. During the second quarter of 2012, synthetic gypsum accounted for about 40% of the 5.28 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 2012, mainly for portland cement manufacture and for agricultural uses, were 398,000 metric tons (t) (table 2), which was 14% more than those of the first quarter of 2012 and 5% more than those of the second quarter of 2011.

Sales of calcined gypsum for the second quarter of 2012 (table 1) were 3.08 Mt, which was 3% more than that of the first quarter of 2012 and 5% more than that of the second quarter of 2011. Sales of board products (table 2) were 3.73 Mt, equivalent to approximately 416 million square meters (4.47 billion square

feet), which was 4% more than those of the first quarter of 2012 and 7% more than those of the second quarter of 2011.

According to the U.S. Census Bureau, imports of crude gypsum in the second quarter of 2012 were 857,000 t (table 3), an increase of 14% from those of the first quarter of 2012 and 4% less than those of the second quarter of 2011. Mexico accounted for 46% of crude gypsum imports, followed by Spain with 30%, and Canada with 24%.

Gypsum wallboard imports for the second quarter of 2012 were 70,900 t, equivalent to 7.9 million square meters (84.8 million square feet). These imports were 12% more than those of the first quarter of 2012 and 34% more than those of the second quarter of 2011. Mexico accounted for 61% of wallboard imports, followed by Canada with 37%.

Wallboard exports to 46 countries and territories in the second quarter of 2012 were 216,000 t, equivalent to 24.0 million square meters (258 million square feet). This amount was 10% less than that of the first quarter of 2012 and 6% less than that of the second quarter of 2011. Most wallboard exports were shipped to 33 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)

	2011				2012		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter	1st quarter	2d quarter	1st quarter– 2d quarter ³
Crude:							
Mined ⁴	2,250,000	2,230,000	2,180,000	8,900,000	2,380,000	2,330,000	4,710,000
Imported ⁵	892,000	773,000	864,000	3,330,000	751,000	857,000	1,610,000
Synthetic gypsum ⁶	1,740,000	1,780,000	1,770,000	7,080,000	1,880,000	2,100,000	3,980,000
Total supply	4,880,000	4,780,000	4,810,000	19,300,000	5,010,000	5,280,000	10,300,000
Crude, exported ⁵	59,000	94,700	92,700	316,000	171,000	80,200	251,000
Consumption	4,820,000	4,690,000	4,720,000	19,000,000	4,840,000	5,200,000	10,000,000
Calcined:							
Produced	2,930,000	2,980,000	2,930,000	11,900,000	2,990,000	3,080,000	6,070,000
Imported ⁷	3,790	3,910	3,290	14,000	3,930	4,670	8,600
Total supply	2,940,000	2,990,000	2,940,000	11,900,000	3,000,000	3,080,000	6,080,000
Exported ⁷	72,200	90,100	89,800	307,000	35,100	30,300	65,400
Consumption	2,860,000	2,900,000	2,850,000	11,600,000	2,960,000	3,050,000	6,010,000

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)

	2011				2012		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter	1st quarter	2d quarter	1st quarter– 2d quarter ³
Uncalcined: ⁴							
Portland cement	233,000	232,000	251,000	863,000	223,000	233,000	455,000
Agriculture and miscellaneous	148,000	128,000	126,000	517,000	128,000	166,000	294,000
Total	381,000	360,000	376,000	1,380,000	351,000	398,000	749,000
Calcined:							
Board products ⁵	3,490,000	3,600,000	3,730,000	14,300,000	3,580,000	3,730,000	7,310,000
Plaster	19,400	19,100	17,400	75,100	21,700	17,900	39,600
Total	3,510,000	3,610,000	3,750,000	14,400,000	3,600,000	3,750,000	7,350,000
Board products: (thousand square feet) ⁶							
Regular board	2,270,000	2,390,000	2,440,000	9,380,000	2,340,000	2,440,000	4,780,000
Type X board	1,400,000	1,400,000	1,510,000	5,740,000	1,430,000	1,500,000	2,930,000
Other	522,000	520,000	526,000	2,050,000	521,000	538,000	1,060,000
Total supply	4,190,000	4,310,000	4,480,000	17,200,000	4,290,000	4,470,000	8,770,000

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	2011				2012		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter	1st quarter	2d quarter	1st quarter– 2d quarter ²
Brazil	--	--	--	--	1	--	1
Canada	445,000	315,000	327,000	1,470,000	168,000	205,000	373,000
China	11	3	19	242	653	189	842
France	40	--	80	120	76	152	228
Germany	40	85	2	148	23	91	114
Hong Kong	1	--	73	79	--	--	--
Japan	--	--	5	5	1	1	2
Mexico	332,000	245,000	346,000	1,230,000	335,000	398,000	733,000
Morocco	--	--	--	8	--	--	--
Netherlands	--	--	19	19	--	--	--
Spain	116,000	213,000	191,000	629,000	248,000	254,000	501,000
Taiwan	--	--	--	284	--	--	--
Thailand	40	--	--	60	--	--	--
United Kingdom	--	12	15	37	5	--	5
Total	892,000	773,000	864,000	3,330,000	751,000	857,000	1,610,000

-- 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
2011:				
2d quarter	3,090	2,250	892	59
3d quarter	2,910	2,230	773	95
4th quarter	2,950	2,180	864	93
1st quarter–4th quarter	11,900	8,900	3,330	316
2012:				
1st quarter	2,960	2,380	751	171
2d quarter	3,100	2,330	857	80
1st quarter–2d quarter	6,060	4,710	1,610	251

¹Excludes synthetic gypsum.

²Data are rounded to no more than three significant digits.

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 2012^{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
2d quarter:											
Veneer base	27,000	2,820	8,340	624	5,790	11	72	239	1,520	75	46,500
Sheathing	2,400	6,450	6,160	5,010	15,600	4,420	16,400	4,990	13,200	11,300	85,800
Regular gypsum board	53,700	237,000	260,000	167,000	559,000	170,000	428,000	190,000	212,000	161,000	2,440,000
Type X gypsum board	48,300	173,000	176,000	118,000	240,000	66,600	201,000	144,000	270,000	61,600	1,500,000
Liner panel	1,450	5,320	2,100	919	11,300	769	3,040	1,510	2,540	672	29,600
Predecorated board	693	1,600	1,870	983	3,310	866	2,120	703	1,560	314	14,000
5/16 Mobile home board	--	2,910	4,230	26	1,240	14,600	1,520	609	244	71	25,500
Water/moisture resistant board	14,400	70,100	42,000	20,100	65,800	17,800	35,200	13,900	35,200	22,500	337,000
Total	148,000	500,000	501,000	313,000	902,000	275,000	687,000	355,000	536,000	258,000	4,470,000
1st quarter--2d quarter:											
Veneer base	52,900	6,580	17,100	1,630	11,500	13	133	382	3,140	89	93,500
Sheathing	4,780	11,900	11,600	9,760	31,300	8,320	31,300	9,350	26,300	23,300	168,000
Regular gypsum board	114,000	494,000	556,000	358,000	1,070,000	327,000	781,000	351,000	402,000	325,000	4,780,000
Type X gypsum board	96,200	342,000	359,000	245,000	463,000	121,000	391,000	272,000	519,000	122,000	2,930,000
Liner panel	2,110	9,270	3,370	1,800	21,500	1,330	6,210	2,960	4,610	1,000	54,200
Predecorated board	1,410	3,020	4,110	1,860	6,470	1,730	3,990	1,440	3,190	544	27,800
5/16 Mobile home board	--	4,470	8,010	53	2,440	27,100	3,270	1,530	365	110	47,300
Water/moisture resistant board	28,200	142,000	85,100	42,000	126,000	32,700	69,000	28,600	67,300	44,000	665,000
Total	299,000	1,010,000	1,040,000	660,000	1,740,000	520,000	1,290,000	667,000	1,030,000	516,000	8,770,000

-- 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.