

Mineral Industry Surveys

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GYPSUM IN THE THIRD QUARTER 2013

Producers mined 2.77 million metric tons (Mt) of gypsum during the third quarter of 2013 (table 1). This was 6% more than that of the second quarter of 2013 and 10% more than that of the third quarter of 2012. Synthetic gypsum production was 2.13 Mt in the third quarter of 2013 (table 1), which was slightly more than that of the second quarter of 2013 and 4% less than that of the third quarter of 2012. During the third quarter of 2013, synthetic gypsum accounted for about 37% of the 5.69 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 third quarter of 2013, mainly for portland cement manufacture and for agricultural uses, were 445,000 metric tons (t) (table 2), which was slightly more than those of the second quarter of 2013 and slightly less than those of the third quarter of 2012.

Sales of calcined gypsum for the third quarter of 2013 (table 1) were 3.59 Mt, which were 4% more than those of the second quarter of 2013 and 7% more than those of the third quarter of 2012. Sales of board products (table 2) were 4.50 Mt, equivalent to approximately 501 million square meters (5.40 billion square feet), which were 6% more than those of the second quarter of 2013 and 9% more than those of the third quarter of 2012.

According to the U.S. Census Bureau, imports of crude gypsum in the third quarter of 2013 were 788,000 t (table 3), an increase of 7% from those of the second quarter of 2013 and 14% less than those of the third quarter of 2012. Mexico was the source of 50% of crude gypsum imports, followed by Canada with 32%, and Spain with 17%.

Gypsum wallboard imports for the third quarter of 2013 were 82,600 t, equivalent to about 9.2 million square meters (98.9 million square feet). These imports were unchanged from those of the second quarter of 2013 and 5% more than those of the third quarter of 2012. Mexico was the source of 54% of wallboard imports, followed by Canada with 44%.

Wallboard exports to 39 countries and territories in the third quarter of 2013 were 204,000 t, equivalent to 22.7 million square meters (244 million square feet). This was 8% less than that of the second quarter of 2013 and 4% more than that of the third quarter of 2012. Most wallboard exports were shipped to 27 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			
	3d quarter	4th quarter	1st quarter– 4th quarter ³	1st quarter	2d quarter	3d quarter	1st quarter– 3d quarter ³
Crude:							
Mined ⁴	2,510,000	2,620,000	9,840,000	3,410,000	2,610,000	2,770,000	8,790,000
Imported ⁵	921,000	721,000	3,250,000	852,000	735,000	788,000	2,370,000
Synthetic gypsum ⁶	2,210,000	2,030,000	8,230,000	1,790,000	2,100,000	2,130,000	6,020,000
Total supply	5,640,000	5,380,000	21,300,000	6,050,000	5,450,000	5,690,000	17,200,000
Crude, exported ⁵	76,000	80,700	408,000	71,300	32,600	23,300	127,000
Consumption	5,570,000	5,300,000	20,900,000	5,980,000	5,410,000	5,660,000	17,100,000
Calcined:							
Produced	3,370,000	3,330,000	12,800,000	2,910,000	3,440,000	3,590,000	9,940,000
Imported ⁷	4,390	3,560	16,600	4,010	4,490	3,740	12,200
Total supply	3,370,000	3,330,000	12,800,000	2,910,000	3,440,000	3,590,000	9,950,000
Exported ⁷	43,300	30,800	140,000	28,700	34,600	33,700	97,000
Consumption	3,330,000	3,300,000	12,600,000	2,890,000	3,410,000	3,560,000	9,850,000

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			
	3d quarter	4th quarter	1st quarter– 4th quarter ³	1st quarter	2d quarter	3d quarter	1st quarter– 3d quarter ³
Uncalcined:⁴							
Portland cement	297,000	255,000	1,010,000	220,000	273,000	275,000	769,000
Agriculture and miscellaneous	148,000	42,800	485,000	183,000	170,000	169,000	523,000
Total	445,000	298,000	1,490,000	403,000	444,000	445,000	1,290,000
Calcined:							
Board products ⁵	4,140,000	4,330,000	15,800,000	3,500,000	4,240,000	4,500,000	12,200,000
Plaster	18,800	17,100	75,500	19,000	20,300	20,300	59,600
Total	4,160,000	4,340,000	15,800,000	3,520,000	4,260,000	4,520,000	12,300,000
Board products: (thousand square feet)⁶							
Regular board	2,760,000	2,840,000	10,400,000	2,350,000	2,810,000	3,050,000	8,210,000
Type X board	1,610,000	1,700,000	6,240,000	1,310,000	1,650,000	1,700,000	4,660,000
Other	599,000	650,000	2,310,000	550,000	623,000	649,000	1,820,000
Total supply	4,970,000	5,190,000	18,900,000	4,200,000	5,090,000	5,400,000	14,700,000

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			
	3d quarter	4th quarter	1st quarter– 4th quarter ²	1st quarter	2d quarter	3d quarter	1st quarter– 3d quarter ²
Brazil	1	--	2	--	--	--	--
Canada	348,000	299,000	1,020,000	272,000	228,000	256,000	756,000
China	--	--	842	--	--	30	30
France	--	57	285	38	38	76	152
Germany	19	19	152	38	19	--	57
Hong Kong	2	--	2	--	--	--	--
Japan	2	1	5	--	19	1	20
Mexico	310,000	376,000	1,420,000	341,000	342,000	394,000	1,080,000
Morocco	--	--	--	--	--	263	263
Spain	262,000	45,400	809,000	238,000	165,000	138,000	541,000
Switzerland	--	--	--	--	1	--	1
Thailand	--	--	--	5	9	--	14
United Kingdom	--	--	5	1	--	2	3
Total	921,000	721,000	3,250,000	852,000	735,000	788,000	2,370,000

-- 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:				
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
3d quarter	3,540	2,770	788	23
1st quarter–3d quarter	11,000	8,790	2,380	127

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
3d quarter:											
Veneer base	31,200	3,020	11,900	790	6,610	32	21	106	1,570	72	55,300
Sheathing	3,160	8,190	8,510	7,870	20,200	4,740	21,100	5,700	14,400	11,200	105,000
Regular gypsum board	56,900	278,000	326,000	218,000	765,000	217,000	503,000	251,000	278,000	153,000	3,050,000
Type X gypsum board	55,800	184,000	194,000	141,000	274,000	63,500	250,000	166,000	313,000	60,900	1,700,000
Liner panel	1,980	7,580	2,640	1,110	16,300	652	3,860	2,360	2,730	509	39,700
Predecorated board	879	1,490	2,150	1,310	3,370	794	2,100	910	1,830	275	15,100
5/16 Mobile home board	--	3,060	3,990	27	1,550	12,600	1,560	693	214	73	23,700
Water/moisture resistant board	17,600	83,000	53,300	23,300	85,900	23,500	43,800	17,100	40,900	22,000	410,000
Total	168,000	568,000	602,000	393,000	1,170,000	323,000	826,000	444,000	653,000	248,000	5,400,000
1st quarter–3d quarter:											
Veneer base	86,300	9,170	28,200	2,220	18,400	70	47	376	4,790	225	150,000
Sheathing	7,680	21,000	19,900	19,500	54,900	13,900	58,800	17,400	41,900	33,300	288,000
Regular gypsum board	162,000	810,000	872,000	581,000	1,960,000	557,000	1,380,000	688,000	759,000	432,000	8,210,000
Type X gypsum board	161,000	517,000	518,000	375,000	743,000	171,000	686,000	447,000	870,000	174,000	4,660,000
Liner panel	5,550	20,600	6,810	3,360	41,900	2,300	12,200	5,760	8,150	2,290	109,000
Predecorated board	2,330	4,700	5,860	3,360	9,420	2,620	5,560	2,590	4,950	785	42,200
5/16 Mobile home board	--	7,020	10,700	80	4,570	31,400	3,930	1,820	470	181	60,200
Water/moisture resistant board	51,400	248,000	148,000	66,900	242,000	61,300	123,000	50,100	119,000	62,800	1,170,000
Total	476,000	1,640,000	1,610,000	1,050,000	3,080,000	840,000	2,270,000	1,210,000	1,810,000	706,000	14,700,000

-- 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.