

Mineral Industry Surveys

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GYPSUM IN THE SECOND QUARTER 2016

Producers mined 3.00 million metric tons (Mt) of gypsum during the second quarter of 2016 (table 1). This was slightly higher than that of the first quarter of 2016 and 10% more than that of the second quarter of 2015. Synthetic gypsum used was 2.54 Mt in the second quarter of 2016 (table 1), which was 4% more than that of the first quarter of 2016 and 10% more than the second quarter of 2015. During the second quarter of 2016, synthetic gypsum accounted for 37% of the 6.80 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 2016, mainly for portland cement manufacture and for agricultural uses, were 779,000 metric tons (t) (table 2), which were 8% more than those of the first quarter of 2016 and 6% more than those of the second quarter of 2015.

The supply of calcined gypsum for the second quarter of 2016 (table 1) was 4.18 Mt, which was slightly more than that of the first quarter of 2016 and 6% more than that of the second quarter of 2015. Sales of board products (table 2) were 5.03 Mt, equivalent to approximately 560 million square meters (6.03 billion square feet), which were slightly less than those of the first quarter of 2016 and 7% more those of the second quarter of 2015.

According to the U.S. Census Bureau, imports of crude gypsum in the second quarter of 2016 were 1.25 Mt (table 3),

32% more than those of the first quarter of 2016 and 17% more than those of the second quarter of 2015. Spain was the source of 40% of crude imports, followed by Mexico with 36%, and Canada with 24%.

According to the U.S. Census Bureau, gypsum wallboard imports for the second quarter of 2016 were 106,000 t, equivalent to about 11.8 million square meters (127 million square feet). These imports were 17% more than those of the first quarter of 2016 and 4% more than those of the second quarter of 2015. Mexico was the source of 56% of wallboard imports, followed by Canada with 43%.

Wallboard exports to 41 countries and territories in the second quarter of 2016 were 202,000 t, equivalent to 22.5 million square meters (242 million square feet). These were 12% more than those of the first quarter of 2016 and slightly more than those of the second quarter of 2015. Most wallboard exports were shipped to Canada, which accounted for 93%.

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

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TABLE 1
GYPSUM SUPPLY^{1,2}

(Metric tons)

	2015				2016		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter ³	1st quarter	2d quarter	1st quarter– 2d quarter ³
Crude:							
Mined ⁴	2,720,000	2,750,000	2,960,000	11,100,000	2,970,000 ^r	3,000,000	5,970,000
Imported ⁵	1,070,000	1,040,000	1,040,000	4,030,000	945,000	1,250,000	2,200,000
Synthetic gypsum ⁶	2,320,000	2,410,000	1,760,000	8,490,000	2,460,000	2,540,000	5,000,000
Total supply	6,110,000	6,200,000	5,760,000	23,600,000	6,370,000 ^r	6,800,000	13,200,000
Crude, exported ⁵	16,700	17,200	15,300	62,900	11,700	11,800	23,500
Consumption	6,090,000	6,180,000	5,750,000	23,500,000	6,360,000 ^r	6,780,000	13,100,000
Calcined:							
Produced	3,930,000	3,990,000	3,690,000	15,000,000	4,120,000	4,170,000	8,290,000
Imported ⁷	5,090	5,800	4,680	21,100	4,490	16,800	21,300
Total supply	3,930,000	4,000,000	3,690,000	15,000,000	4,130,000	4,180,000	8,310,000
Exported ⁷	26,200	22,400	21,700	94,600	22,000	25,000	46,900
Consumption	3,900,000	3,970,000	3,670,000	14,900,000	4,110,000	4,160,000	8,260,000

^rRevised.

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)

	2015				2016		
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter ³	1st quarter	2d quarter	1st quarter– 2d quarter ³
Uncalcined:⁴							
Portland cement	221,000	258,000	255,000	938,000	214,000 ^r	227,000	441,000
Agriculture and miscellaneous	511,000 ^r	466,000 ^r	450,000 ^r	1,850,000 ^r	504,000 ^r	552,000	1,060,000
Total	732,000 ^r	723,000 ^r	705,000 ^r	2,790,000 ^r	718,000 ^r	779,000	1,500,000
Calcined:							
Board products ⁵	4,720,000	4,850,000	4,790,000	18,400,000	5,110,000	5,030,000	10,100,000
Plaster	21,200	20,400	19,400	79,500	20,700	21,400	42,100
Total	4,740,000	4,870,000	4,810,000	18,500,000	5,130,000	5,050,000	10,200,000
Board products: (thousand square feet)⁶							
Regular board	2,980,000	3,090,000	3,090,000	11,800,000	3,220,000	3,120,000	6,340,000
Type X board	1,980,000	2,020,000	1,950,000	7,530,000	2,150,000	2,120,000	4,270,000
Other	707,000	716,000	714,000	2,760,000	775,000	786,000	1,560,000
Total supply	5,660,000	5,820,000	5,750,000	22,100,000	6,140,000	6,030,000	12,200,000

^rRevised.

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	2015				2016			
	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter ²	1st quarter	2d quarter	1st quarter– 2d quarter ²	
Belgium	--	--	--	--	--	4	4	
Canada	270,000	335,000	355,000	1,240,000	185,000	299,000	485,000	
China	4	--	1	5	--	11	11	
France	19	--	--	57	--	--	--	
Germany	192	468	124	904	156	118	274	
Guatemala	--	--	--	--	--	9	9	
Japan	1	3	--	5	--	2	2	
Mexico	486,000	520,000	353,000	1,720,000	529,000	457,000	986,000	
Morocco	--	333	6	359	--	1	1	
Spain	313,000	183,000	332,000	1,060,000	230,000	495,000	726,000	
Switzerland	--	--	--	--	1	--	1	
Thailand	--	--	--	--	--	6	6	
United Kingdom	2	5	--	7	4	--	4	
Total	1,070,000	1,040,000	1,040,000	4,030,000	945,000	1,250,000	2,200,000	

-- 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
2015:				
2d quarter	3,770	2,720	1,070	16
3d quarter	3,770	2,750	1,040	17
4th quarter	3,980	2,960	1,040	15
1st quarter–4th quarter	15,000	11,100	4,030	62
2016:				
1st quarter	3,900 ^r	2,970 ^r	945	12
2d quarter	4,240	3,000	1,250	12
1st quarter–2d quarter	8,140	5,970	2,200	23

^rRevised.

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 2016^{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	51,800	2,520	11,800	512	6,660	37	62	141	1,580	14	75,100
Sheathing	3,690	10,500	9,130	8,480	22,100	5,770	21,600	8,170	19,200	18,000	127,000
Regular gypsum board	53,700	259,000	330,000	204,000	828,000	235,000	478,000	277,000	294,000	164,000	3,120,000
Type X gypsum board	68,500	222,000	228,000	149,000	369,000	84,800	332,000	193,000	402,000	75,000	2,120,000
Liner panel	1,900	9,320	3,400	1,420	20,000	1,300	4,170	4,300	4,260	1,100	51,200
Predecorated board	737	1,760	2,380	1,150	3,140	1,140	2,960	1,000	1,940	302	16,500
5/16 Mobile home board	--	1,260	5,250	27	392	3,010	1,150	695	132	105	12,000
Water/moisture resistant board	22,400	110,000	54,000	26,600	105,000	21,900	57,300	25,200	59,500	21,900	504,000
Total	203,000	617,000	644,000	391,000	1,350,000	353,000	898,000	509,000	782,000	281,000	6,030,000
1st quarter–2d quarter:											
Veneer base	102,000	6,080	23,600	1,030	13,700	54	74	322	2,680	122	150,000
Sheathing	6,380	20,400	17,800	16,900	43,800	11,400	43,200	15,000	38,400	32,200	245,000
Regular gypsum board	114,000	528,000	697,000	437,000	1,620,000	473,000	1,010,000	569,000	576,000	313,000	6,340,000
Type X gypsum board	137,000	451,000	468,000	303,000	715,000	168,000	705,000	400,000	776,000	145,000	4,270,000
Liner panel	3,880	18,300	6,740	2,820	38,000	2,420	8,830	7,770	8,190	2,330	99,200
Predecorated board	1,330	3,360	4,570	2,210	6,150	2,180	5,610	1,970	3,650	509	31,600
5/16 Mobile home board	--	2,460	9,530	27	849	6,750	2,410	1,030	256	176	23,500
Water/moisture resistant board	46,800	221,000	113,000	56,700	205,000	44,600	116,000	51,000	113,000	43,800	1,010,000
Total	412,000	1,250,000	1,340,000	819,000	2,640,000	709,000	1,890,000	1,050,000	1,520,000	537,000	12,200,000

-- 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.