

# Mineral Industry Surveys

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## GYPSUM IN JUNE 2007

Producers mined 2.07 million metric tons (Mt) of gypsum in June 2007 (table 1). Output was 5% less than that of May 2007 and 22% more than that of June 2006. Synthetic gypsum production was 681,000 metric tons (t) in June 2007 (table 1), which was 3% more than that of May 2007 and 3% less than that of June 2006. Both mined and synthetic gypsum are used as raw material for wallboard. The wallboard industry is the leading domestic consumer of gypsum. During January through June 2007, synthetic gypsum accounted for 3.97 million metric tons (Mt), or about 19%, of the 20.5-Mt total apparent consumption (defined as mine plus synthetic production plus imports minus exports) supply of gypsum in the United States. Sales of uncalcined gypsum in June 2007, mainly for portland cement manufacture and for agricultural uses, were 515,000 t (table 2), 6% more than those of May 2007 and 19% less than those of June 2006.

The total apparent consumption of crude gypsum in the second quarter of 2007 was 10.1 Mt, 8% more than that of the first quarter of 2007. The total apparent consumption of crude gypsum for the first half of 2007 was 19.5 Mt, 5% more than that of the first half of 2006. The total apparent consumption of calcined gypsum in the second quarter of 2007 was 5.36 Mt, slightly less than that of the first quarter of 2007. The total apparent consumption of calcined gypsum for the first half of 2007 was 10.7 Mt, 16% less than that of the first half of 2006.

Output of calcined gypsum for June 2007 (table 1) was 1.92 Mt, slightly less than that of May 2007 and 12% less than that of June 2006. Sales of board products were about 2.61 billion square feet (242 million square meters), 9% less than those of May 2007 and 21% less than those of June 2006.

According to the U.S. Census Bureau, imports of crude gypsum in June 2007 were 867,000 t (table 3), 2% less than that of May 2007 and 11% less than that of June 2006. Canada accounted for 59% of crude gypsum imports, followed by Mexico with 37% and Spain with 4%. A small amount of crude gypsum was also imported from the China. Gypsum wallboard imports for June 2007 were 38,900 t, equivalent to 46.7 million square feet (4.33 million square meters). These imports were 15% less than those of May 2007 and 252% less than those of June 2006. Mexico accounted for 48% of wallboard imports, followed by Canada with 47% and China with 5%. Wallboard exports to 30 countries and territories in June 2007 were 6,840 t, equivalent to 8.21 million square feet (761,000 square meters). These exports were about 20% less than those of May 2007 and 17% less than those of June 2006. Most of these wallboard exports went to 23 western hemisphere countries, with Mexico accounting 54% of total exports, followed by Canada with 12%.

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

TABLE 1  
GYPSUM SUPPLY<sup>1, 2</sup>

(Metric tons)

	2007			2006
	June	May	January-June	January-June
Crude:				
Mined <sup>3</sup>	2,070,000	2,170,000	11,800,000	9,590,000
Imported <sup>4</sup>	867,000	885,000	4,730,000	6,060,000
Synthetic gypsum <sup>5</sup>	681,000	661,000	3,970,000	4,510,000
Total supply	3,610,000	3,720,000	20,500,000	20,200,000
Crude, exported <sup>4</sup>	13,000	9,790	82,200	68,300
Consumption	3,600,000	3,710,000	20,400,000	20,100,000
Calcined:				
Produced	1,920,000	1,940,000	10,900,000	12,900,000
Imported <sup>6</sup>	1,020	1,150	6,520	3,450
Total supply	1,920,000	1,950,000	10,900,000	12,900,000
Exported <sup>6</sup>	13,000	24,600	116,000	120,000
Consumption	1,910,000	1,920,000	10,700,000	12,800,000

<sup>1</sup>Includes data from the Gypsum Association.

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

<sup>3</sup>Some data were estimated from semiannual reports.

<sup>4</sup>Import and export data are for "Gypsum; anhydrite," Harmonized Tariff Schedule 2520.10.0000.

<sup>5</sup>Reported production only.

<sup>6</sup>Import and export data are for "Plaster," Harmonized Tariff Schedule 2520.20.0000.

TABLE 2  
GYPSUM SOLD OR USED BY PRODUCERS, BY USE<sup>1, 2</sup>

(Metric tons, unless otherwise specified)

	2007			2006
	June	May	January-June	January-June
Uncalcined: <sup>3</sup>				
Portland cement	361,000	329,000	1,670,000	1,850,000
Agriculture and miscellaneous	154,000	155,000	864,000	1,210,000
Total	515,000	484,000	2,530,000	3,050,000
Calcined:				
Board products <sup>4</sup>	2,180,000	2,320,000	12,900,000	15,900,000
Plaster	10,800	10,600	67,000	76,400
Total	2,190,000	2,330,000	13,000,000	15,900,000
Board products: (thousand square feet) <sup>5</sup>				
Regular board	1,490,000	1,600,000	9,110,000	11,600,000
Type X board	882,000	929,000	5,180,000	5,720,000
Other	247,000	263,000	1,480,000	1,710,000
Total supply	2,610,000	2,790,000	15,800,000	19,000,000

<sup>1</sup>Revised.

<sup>1</sup>Includes data from the Gypsum Association.

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

<sup>3</sup>Does not include synthetic gypsum from electric power plants.

<sup>4</sup>Includes weight of paper and other materials.

<sup>5</sup>One square meter equals 10.78 square feet.

TABLE 3  
CRUDE GYPSUM IMPORTED FOR CONSUMPTION<sup>1</sup>

(Metric tons)

Country of origin	2007				2006
	June	May	April	January-June	January-June
Austria	--	--	--	--	27
Brazil	--	--	--	5	--
Canada	514,000	693,000	536,000	3,110,000	3,860,000
China	37	--	--	61	26,200
Dominican Republic	--	19,900	--	48,500	35,500
France	--	--	--	--	983
Germany	--	--	--	5	14,100
India	--	--	--	--	1
Italy	--	1	--	1	--
Jamaica	--	--	--	--	3,940
Korea, Republic of	--	--	--	--	5
Mexico	318,000	173,000	170,000	1,300,000	1,670,000
Spain	34,300	18	--	277,000	443,000
Sweden	--	--	--	--	20
Turkey	--	--	2	2	--
United Kingdom	--	--	20	41	40
Total	867,000	885,000	706,000	3,850,000	6,060,000

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 4  
CRUDE GYPSUM IN THE UNITED STATES<sup>1,2</sup>

(Thousand metric tons)

Period	Consumption <sup>3</sup>	Production <sup>4</sup>	Imports <sup>5</sup>	Exports <sup>5</sup>
2006:				
June	2,650	1,690	972	9
July	2,560	1,550	1,020	9
August	2,700	1,690	1,030	12
September	2,330	1,490	848	15
October	2,230	1,490	752	13
November	2,120	1,370	759	12
December	2,270	1,370	910	11
January-December	29,800	18,600	11,400	139
2007:				
January	2,640	1,950	714	25
February	2,480	1,800	694	13
March	2,910	2,050	869	11
April	2,420	1,720	706	11
May	3,050	2,170	885	10
June	2,920	2,070	867	13
January-June	16,400	11,800	4,730	82

<sup>1</sup>Excludes synthetic gypsum.

<sup>2</sup>Data are rounded to no more than three significant digits.

<sup>3</sup>Consumption calculated by adding the production and imports shown in this table and subtracting the exports shown in this table. Monthly inventory changes are not included.

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

<sup>5</sup>Data from U.S. Census Bureau.

TABLE 5  
SALES OF GYPSUM BOARD PRODUCTS, BY SALES REGIONS IN 2007<sup>1,2</sup>

(Thousand square feet)<sup>3</sup>

	New England	Middle Atlantic	E. North Central	W. North Central	South Atlantic	E. South Central	W. South Central	Mountain	Pacific	Exports	Total
<b>June:</b>											
Veneer base	18,800	1,750	6,500	497	6,090	7	9	358	986	68	35,000
Sheathing	1,370	3,760	4,650	3,900	14,500	3,270	10,400	6,610	8,340	2,820	59,500
Regular gypsum board	30,400	112,000	150,000	86,100	421,000	128,000	220,000	145,000	149,000	43,800	1,490,000
Type X gypsum board	26,900	92,200	111,000	54,400	152,000	38,300	107,000	109,000	181,000	10,500	882,000
Predecorated board	364	737	1,020	679	1,380	552	910	502	802	70	7,020
5/16 Mobile home board	--	662	2,880	--	4,680	9,330	6,350	108	329	--	24,300
Water/moisture resistant board	5,380	22,900	13,000	4,940	26,700	5,470	11,600	9,020	17,400	4,210	121,000
Total	83,200	234,000	288,000	150,000	626,000	185,000	357,000	270,000	358,000	61,500	2,610,000
<b>January-June:</b>											
Veneer base	118,000	11,700	36,300	2,960	39,300	53	175	1,600	7,990	316	219,000
Sheathing	9,140	25,400	27,900	19,400	93,000	18,800	59,500	34,500	48,200	13,700	350,000
Regular gypsum board	205,000	733,000	954,000	531,000	2,560,000	748,000	1,320,000	890,000	946,000	224,000	9,110,000
Type X gypsum board	171,000	536,000	647,000	342,000	939,000	218,000	598,000	613,000	1,070,000	53,800	5,180,000
Predecorated board	1,650	4,220	5,400	2,970	8,360	2,260	4,840	2,570	3,900	416	36,600
5/16 Mobile home board	--	3,590	15,800	--	24,000	62,100	31,700	579	1,250	75	139,000
Water/moisture resistant board	33,900	129,000	83,900	35,600	163,000	32,700	68,700	57,300	99,200	29,000	732,000
Total	538,000	1,440,000	1,770,000	933,000	3,830,000	1,080,000	2,080,000	1,600,000	2,170,000	321,000	15,800,000

-- Zero.

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

<sup>2</sup>Sales 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).

<sup>3</sup>One square meter equals 10.78 square feet.

Source: Gypsum Association.