

STONE (DIMENSION)¹

(Data in thousand metric tons unless otherwise noted)

Domestic Production and Use: Approximately 2.5 million tons of dimension stone, valued at \$520 million, was sold or used by U.S. producers in 2022. Dimension stone was produced by approximately 200 companies operating 231 quarries in 34 States. Leading producing States were, in descending order by tonnage, Texas, Wisconsin, Indiana, and Vermont. These four States accounted for about 68% of the production quantity and contributed about 58% of the value of domestic production. Approximately 49%, by tonnage, of dimension stone sold or used was limestone, followed by granite (19%), sandstone (18%), dolomite and slate (4% each), and the remaining 6% was divided, in descending order of tonnage, among marble, traprock, miscellaneous stone, and quartzite. By value, the leading sales or uses were for limestone (47%), followed by granite (26%), sandstone (10%), and marble and slate (5% each); the remaining 7% was divided, in descending order of total value, among dolomite, traprock, quartzite, and miscellaneous stone. Rough stone represented 59% of the tonnage and 56% of the value of all the dimension stone sold or used by domestic producers, including exports. The leading uses and distribution of rough stone, by tonnage, were in building and construction (66%) and in irregular-shaped stone (26%). The leading uses and distribution of dressed stone, by tonnage, were in ashlar and partially squared pieces (43%), curbing (13%), slabs and blocks for building and construction (10%), and flagging (9%).

Salient Statistics—United States:

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022^e</u>
Sold or used by producers: ²					
Quantity	2,660	2,520	2,130	2,330	2,500
Value, million dollars	437	415	414	466	520
Imports for consumption, value, million dollars	2,090	1,890	1,750	2,200	2,400
Exports, value, million dollars	70	59	47	47	49
Consumption, apparent, value, million dollars ³	2,460	2,250	2,120	2,620	2,900
Price	Variable, depending on type of product				
Employment, quarry and mill, number ⁴	3,900	3,900	3,800	3,700	3,800
Net import reliance ⁵ as a percentage of apparent consumption (based on value)	82	82	80	82	82
Granite only, sold or used by producers:					
Quantity	484	430	436	464	470
Value, million dollars	108	105	110	128	130
Imports, value, million dollars	915	862	794	903	910
Exports, value, million dollars	19	17	13	11	13
Consumption, apparent, value, million dollars ³	1,000	950	892	1,020	1,000
Price	Variable, depending on type of product				
Employment, quarry and mill, number ⁴	800	800	800	800	800
Net import reliance ⁵ as a percentage of apparent consumption (based on value)	89	89	88	87	87

Recycling: Small amounts of dimension stone were recycled, principally by restorers of old stone work.

Import Sources (2018–21, by value): All dimension stone: Brazil, 23%; China,⁶ 22%; Italy, 18%; India, 14%; and other, 23%. Granite only: Brazil, 44%; India, 21%; China,⁶ 19%; Italy, 6%; and other, 10%.

Tariff: Dimension stone tariffs ranged from free to 6.5% ad valorem, according to type, degree of preparation, shape, and size, for countries with normal trade relations in 2022. Most crude or roughly trimmed stone was imported at 3.7% ad valorem or less.

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Depletion Allowance: All dimension stone, 14% (domestic and foreign); slate used or sold as sintered or burned lightweight aggregate, 7.5% (domestic and foreign); dimension stone used for rubble and other nonbuilding purposes, 5% (domestic and foreign).

Government Stockpile: None.

Events, Trends, and Issues: The United States remained one of the world's leading markets for dimension stone. In 2022, total imports of dimension stone increased in value by about 9% compared with those in 2021. The dimension stone market continued to recover to pre-coronavirus disease 2019 (COVID-19) pandemic levels, with production having steadily increased since 2020. In 2022, dimension stone exports increased by 4% to about \$49 million. Apparent consumption, by value, was estimated to be \$2.9 billion in 2022—an 11% increase compared with that in 2021.

The dimension stone industry continued to be concerned with safety and health regulations and environmental restrictions in 2022, especially those concerning crystalline silica exposure. In 2016, the Occupational Safety and Health Administration finalized new regulations to further restrict exposure to crystalline silica at quarry sites and other industrial operations that use materials containing it. Final implementation of the new regulations took effect in 2021, affecting various industries that use materials containing silica. Most provisions of the new regulations became enforceable on June 23, 2018, for general industry and maritime operations.

World Mine Production and Reserves:

	Mine production		Reserves ⁷
	2021	2022 ^e	
United States	2,330	2,500	Adequate, except for certain special types and local shortages.
Other countries	NA	NA	
World total	NA	NA	

World Resources:⁷ Dimension stone resources of the world are sufficient. Resources can be limited on a local level or occasionally on a regional level by the lack of a particular kind of stone that is suitable for dimension purposes.

Substitutes: Substitutes for dimension stone include aluminum, brick, ceramic tile, concrete, glass, plastics, resin-agglomerated stone, and steel.

^eEstimated. NA Not available.

¹See also the Stone (Crushed) chapter.

²Includes granite, limestone, and other types of dimension stone.

³Defined as sold or used + imports – exports.

⁴Excludes office staff.

⁵Defined as imports – exports.

⁶Includes Hong Kong.

⁷See Appendix C for resource and reserve definitions and information concerning data sources.