

STONE (DIMENSION)¹

(Data in thousand metric tons unless otherwise noted)

Domestic Production and Use: Approximately 2.6 million tons of dimension stone, valued at \$400 million, was sold or used by U.S. producers in 2020. Dimension stone was produced by around 200 companies operating 250 quarries in 34 States. Leading producing States were, in descending order by tonnage, Texas, Wisconsin, Indiana, Vermont, and New York. These five States accounted for about 71% of the production quantity and contributed about 61% of the value of domestic production. Approximately 50%, by tonnage, of dimension stone sold or used was limestone, followed by sandstone (19%), granite (17%), dolomite (4%), miscellaneous stone (3%), and the remaining 7% was divided, in descending order of tonnage, among slate, marble, quartzite, and traprock. By value, the leading sales or uses were for limestone (46%), followed by granite (25%), sandstone (11%), slate (5%), marble (4%), dolomite (4%), and the remaining 5% was divided, in descending order of total value, among quartzite, traprock, and miscellaneous stone. Rough stone represented 54% of the tonnage and 47% 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 (53%) and in irregular-shaped stone (35%). The leading uses and distribution of dressed stone, by tonnage, were in ashlar and partially squared pieces (41%), slabs and blocks for building and construction (12%), and curbing (11%).

Salient Statistics—United States:

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020^e</u>
Sold or used by producers: ²					
Quantity	2,960	2,880	2,660	2,520	2,600
Value, million dollars	448	453	437	415	400
Imports for consumption, value, million dollars	2,180	2,120	2,090	1,900	1,610
Exports, value, million dollars	65	69	70	59	47
Consumption, apparent, value, million dollars ³	2,560	2,510	2,460	2,260	1,970
Price	Variable, depending on type of product				
Employment, quarry and mill, number ⁴	4,000	3,900	3,900	3,900	3,900
Net import reliance ⁵ as a percentage of apparent consumption (based on value)	83	82	82	82	79
Granite only, sold or used by producers:					
Quantity	593	526	484	430	400
Value, million dollars	130	115	108	105	99
Imports, value, million dollars	1,120	1,020	915	863	720
Exports, value, million dollars	21	22	19	17	13
Consumption, apparent, value, million dollars ³	1,220	1,110	1,000	950	810
Price	Variable, depending on type of product				
Employment, quarry and mill, number ⁴	880	800	800	800	800
Net import reliance ⁵ as a percentage of apparent consumption (based on value)	89	90	89	89	88

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

Import Sources (2016–19 by value): All dimension stone: China, 25%; Brazil, 23%; Italy, 19%; India, 12%; and other, 21%. Granite only: Brazil, 45%; China, 23%; India, 17%; Italy, 7%; and other, 8%.

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 2020. 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 2020, total imports of dimension stone decreased in value by about 15% compared with the value in 2019. In 2020, increased demand for dimension stone for construction and refurbishment used in residential markets helped offset decreases in commercial markets. Both markets were affected because of the measures instituted to mitigate the spread of the global COVID-19 pandemic. These measures also led to increases in the home remodeling sector, with companies reporting a 40% to 50% increase in demand for remodeling projects. Dimension stone exports decreased to about \$47 million. Apparent consumption, by value, was estimated to be \$2.0 billion in 2020—a 13% decrease compared with that of 2019.

The dimension stone industry continued to be concerned with safety and health regulations and environmental restrictions in 2020, especially those concerning crystalline silica exposure. Beginning in 2016, the Occupational Safety and Health Administration (OSHA) finalized new regulations to further restrict exposure to crystalline silica at quarry sites and other industries that use materials containing it. Phased implementation of the new regulations was scheduled to take effect through 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		Reserves⁶
	<u>2019</u>	<u>2020^e</u>	
United States	2,520	2,600	Adequate, except for certain special types and local shortages.
Other countries	<u>NA</u>	<u>NA</u>	
World total	NA	NA	

World Resources:⁶ 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 Stone (Crushed).

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

³Defined as sold or used (value) + imports (value) – exports (value).

⁴Excludes office staff.

⁵Defined as imports – exports.

⁶See Appendix C for resource and reserve definitions and information concerning data sources.