

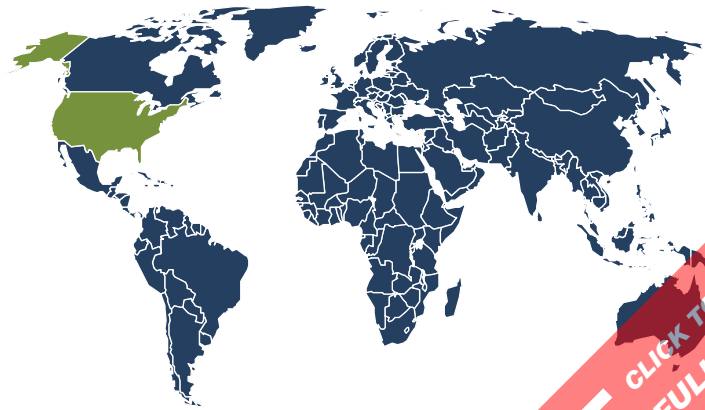


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Industrial Clays: United States

March 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Trade | Pricing Trends

Segmentation and Forecasts

Products | Applications

Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US industrial clay demand and production in metric tons to 2020. Total demand is segmented by product in terms of:

- common clay
- kaolin
- bentonite
- fuller's earth
- ball clay
- fire clay.

This report excludes clay used for such purposes as construction fill, landfill caps, and landscaping that is mined by companies that do not operate mills or plants.

Total demand is also segmented by application as follows:

- building materials
- fillers, extenders, and binders
- absorbents
- ceramics
- refractories and other applications, such as drilling mud and foundry sand bond.

To illustrate historical trends, total demand, total production, and the various demand segments are provided in annual series from 2005 to 2015.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

Sources

Industrial Clays: United States (FF65039) represents the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
212324	Kaolin and Ball Clay Mining	1455	Kaolin and Ball Clay
212325	Clay and Ceramic and Refractory Minerals Mining	1459	Clay, Ceramic, and Refractory Minerals, NEC
327121	Brick and Structural Clay Tile Mfg	3251	Brick and Structural Clay Tile
327122	Ceramic Wall and Floor Tile Mfg	3253	Ceramic Wall and Floor Tile
327123	Other Structural Clay Product Mfg	3255	Clay Refractories
327124	Clay Refractory Mfg	3259	Structural Clay Products, NEC
327110	Pottery, Ceramics, and Plumbing Fixture Mfg	3269	Pottery Products, NEC

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Related Industry Studies

3352 *Oilfield Chemicals*, November 2015
 3347 *World Geosynthetics*, November 2015
 3302 *Proppants in North America*, September 2015
 3317 *Paint & Coatings*, August 2015
 3303 *World Cement*, August 2015
 3295 *Refractories*, June 2015
 3236 *Bricks, Blocks, & Pavers*, November 2014
 3147 *World Kaolin*, April 2014

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Clays and Clay Minerals
Industrial Minerals
The Journal of Light Construction

www.ceramicindustry.com
<http://geoscienceworld.org>
www.indmin.com
www.jlconline.com

Agencies & Associations

The American Ceramic Society
 The Brick Industry Association
 The Clay Minerals Society
 Industrial Minerals Association – North America
 National Association of Home Builders
 The National Mining Association
 United States Advanced Ceramics Association
 United States Census Bureau
 United States Geological Survey
 United States International Trade Commission

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