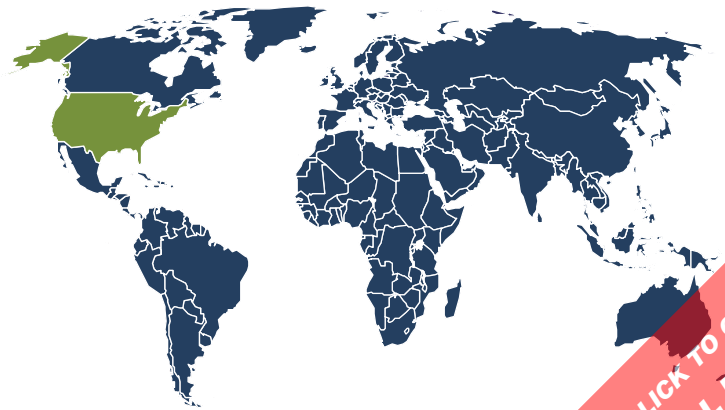


Freedonia Focus Reports
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Advanced Ceramics: United States

November 2013



Highlights

Industry Overview

Market Size and Trends | Class Segmentation | Market Segmentation
Technology Trends | Regulatory and Environmental Factors | Material Overview

Demand Forecasts

Market Environment | Class Forecasts | Market Forecasts

Industry Structure

Industry Composition | Industry Leaders | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US advanced ceramics demand in US dollars at the manufacturers' level to 2017. Total demand is segmented by class in terms of:

- monolithic ceramics
- ceramic coatings
- ceramic matrix composites.

Total demand is also segmented by market as follows:

- electronic components
- transportation equipment
- electrical equipment
- chemical
- machinery
- other markets such as environmental, medical product, and defense and homeland security.

To illustrate historical trends, total demand is provided in an annual series from 2002 to 2012; the various segments are reported at five-year intervals for 2007 and 2012. Forecasts emanate from the identification and analysis of pertinent statistical relationships and other historical trends/events as well as their expected progression/impact over the forecast period. Changes in quantities between reported years of a given total or segment are typically provided in terms of five-year compound annual growth rates (CAGRs). For the sake of brevity, forecasts are generally stated in smoothed CAGR-based descriptions to the forecast year, such as "demand is projected to rise 3.2% annually through 2017." The result of any particular year over that period, however, may exhibit volatility and depart from a smoothed, long-term trend, as historical data typically illustrate.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. 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

Advanced Ceramics: United States is based on [Advanced Ceramics](#), a comprehensive industry study published by The Freedonia Group in November 2013. Reported findings represent 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
- The Freedonia Group Consensus Forecasts dated August 2013
- the findings of other industry 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	
325510	Paint and Coating Manufacturing	2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products
327113	Porcelain Electrical Supply Manufacturing	3264	
327125	Nonclay Refractory Manufacturing	3297	Porcelain Electrical Supplies
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	3299	Nonclay Refractories
			Nonmetallic Mineral Products, NEC

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