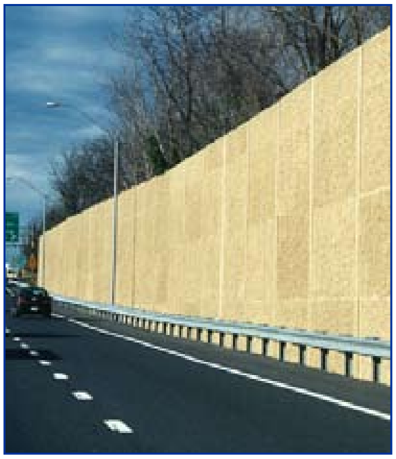

Outdoor Noise Barriers

US Industry Study with Forecasts for **2019 & 2024**

Study #3334 | September 2015 | $5200 | 207 pages

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Outdoor Noise Barriers

US Industry Study with Forecasts for ***2019 & 2024***

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MARKET ENVIRONMENT

MATERIALS

MARKETS

REGIONS

Outdoor Noise Barriers

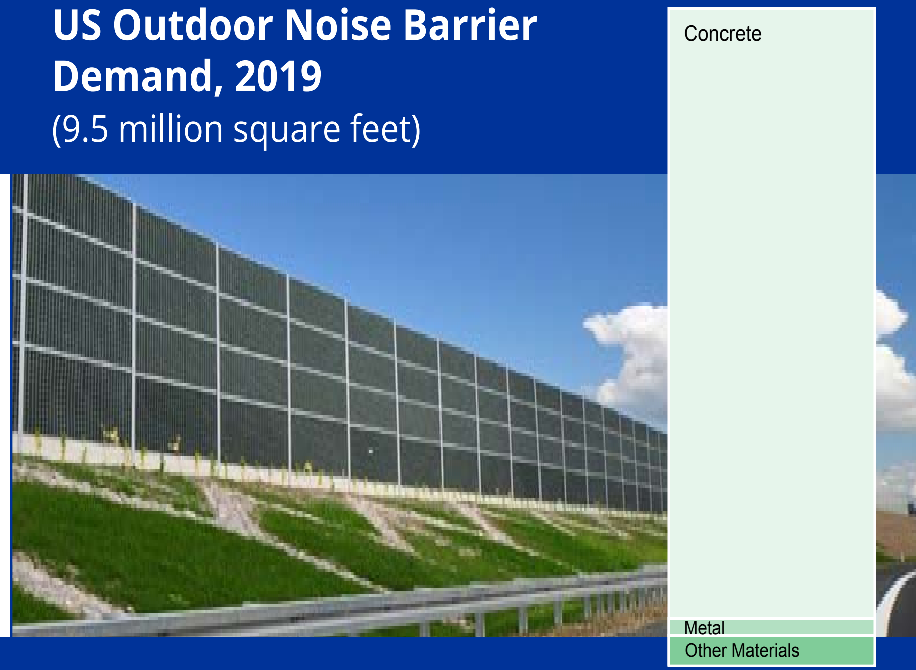
US Industry Study with Forecasts for ***2019 & 2024***

Advances will be spurred by the construction of homes and commercial structures near highways and roads, and the need to mitigate traffic noise and enhance the quality of life in surrounding buildings.

US demand to rise 3.7% annually through 2019

Demand for outdoor noise barriers in the US is forecast to rise 3.7 percent annually to 9.5 million square feet in 2019, valued at $191 million. Advances will be spurred by population growth in rural and suburban areas. As home builders take advantage of lower land costs and the promise of convenient highway access to erect residences and commercial structures in proximity to highways and roads, state departments of transportation (DOTs) will erect outdoor noise barriers alongside highways to mitigate loud noises and enhance the quality of life for those in surrounding buildings.

US Outdoor Noise Barrier Demand, 2019
(9.5 million square feet)



Concrete highway barriers to remain dominant types

Concrete products dominate noise barrier demand, with 92 percent of the total in 2014. Transportation construction professionals often specify concrete because of its moderate cost, ready availability, and sound absorbing qualities. Precast concrete panels -- which accounted for the largest share of outdoor noise barrier demand in 2014 -- will continue to take share from other concrete products, such as concrete masonry units and formed-in-place concrete. Precast concrete panels can be mass-produced to meet specific performance and aesthetic requirements. Indeed, state DOTs are expected to increasingly specify precast panels that resemble more attractive materials, such as brickwork or dressed stone.

Metal products account for the second-largest share of outdoor noise barriers, primarily due to their extensive use in airports. However, plastic noise barriers are anticipated to see the most rapid demand growth -- after concrete -- because transparent plastic panels allow travelers and the owners of structures located along highways to view wildlife and surrounding scenic vistas.

Highways account for the vast majority of outdoor noise barrier installations in the US. DOTs generally install noise barriers along highways and roads because of their moderate cost compared to other sound mitigation strategies and their proven ability to reduce traffic noise. Moreover, once installed, outdoor noise barriers seldom require replacement or repair, providing long-term savings. This is an advantage over such sound-reducing products as rubberized asphalt paving materials, which are not only initially more expensive, but often require maintenance after just a decade of use.

Airports held the second largest share of outdoor noise barrier demand in 2014. Noise barriers -- such as metal ground runup enclosures -- are often installed in and around airports to reduce jet engine noise. However, concerns about security and visibility often encourage airport managers to opt for sound mitigation strategies other than noise barriers.

Outdoor Noise Barriers

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Sample Text & Tables

TABLE III-2

OUTDOOR NOISE BARRIER DEMAND BY VALUE

Item	2004	2009	2014	2019	2024
Nonbuilding Construction Expend (bil $)					
$ barrier/mil $ expend					
Outdoor Noise Barrier Demand (mil $)					
Concrete					
Metal					
Wood					
Other					
$/sq ft					
Outdoor Noise Barrier Demand (000 sq ft)					
Addendum:					
Outdoor Noise Barrier Coatings (mil $)					
Outdoor Noise Barrier Supports (mil $)					

Source: The Freedonia Group, Inc.

SAMPLE TABLE

REGIONS

Northeast

The Northeast region consists of two subregions: New
the Middle Atlantic. Historically, the region's economy was
manufacturing. Through the latter half of the 20th century a
early years of the new millennium, manufacturing activity d
importance, as many producers relocated to areas with lowe
costs (either the South or overseas). As a result, economic g
Northeast lagged that in the South and West.

In recent years, GDP growth in the Northeast has begun
to that in the Sunbelt regions. Industries that have sprung up in manufac-
turing's place include high technology and financial services. Shale gas
production has become important in the Middle Atlantic (especially in
Pennsylvania). Because of the shifting focus on these newer industries,
as well as some revival in manufacturing activity (due in part to a shift
toward higher value products), the region's economy is forecast to grow
4.1 percent per year through 2019. Nevertheless, population growth
in the Northeast will be significantly slower than that in the South and
West, a continuation of a long term trend.

Demand for outdoor noise barriers in the Northeast is p
rise … square feet in 2019, the
pac… st saw a high level of ou
barr… the first decade of the 2
Thu… ely that additional barri
to b… r, as most of these barri
con… l be unlikely to require
or rep… amage. Below-average p
growth in the region will also serve to restrain demand for ou
barriers in the Northeast. As fewer people are expected to m
that were once rural and sparsely populated, there will be les
petus to request the installation of outdoor noise barriers nea

SAMPLE TEXT

TABLE V-9

WEST OUTDOOR NOISE BARRIER DEMAND
(thousand square feet)

Item	2004	2009	2014	2019	2024
West Urban Highways (000 miles)					
sq ft barrier/mile					
West Outdoor Noise Barrier Demand					
By Subregion:					
Mountain					
Pacific					
By Market:					
Highway					
Other Nonbuilding					
Building Construction					
% West					
Outdoor Noise Barrier Demand					

Source: The Freedonia Group, Inc.

SAMPLE CHART

Outdoor Noise Barriers

US Industry Study with Forecasts for ***2019 & 2024***

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Sample Profile & Table, & Study Coverage

TABLE IV-2

HIGHWAY MARKET FOR OUTDOOR NOISE BARRIERS (thousand square feet)

Item	2004	2009	2014	2019	2024
Urban Highway Mileage (000 miles)					
sq ft barrier/mile					
Highway Noise Barrier Demand					
By Product:					
Concrete					
Metal					
Wood					
Other					
By Application:					
New					
Replacement					
$/sq ft					
Highway Noise Barrier Demand (mil $)					
% highway					
Outdoor Noise Barrier Demand (mil $)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Source: The Freedonia Group, Inc.

SAMPLE TABLE

COMPANY PROFILES

Faddis Concrete Products
2206 Horseshoe Pike
Honeybrook, PA 19344
610-269-4685
http://www.fa

Annual Sales
Employment:
Key Products ... l reflecting bar-
riers and retai

SAMPLE PROFILE

Faddis Concrete Products manufactures concrete and metal noise barriers, fencing, lintels and security products for residential, commercial and industrial applications. The Company is privately held.

The Company's highway noise barriers are sold through the ACOUSTACRETE, STONEWALL, ANGLEWALL, ACOUSTAL, and ACOUSTACLEAR product lines. Faddis makes ACOUSTACRETE noise barrier panels using its proprietary ACOUSTACRETE absorptive concrete, a durable product produced from recycled aggregates and specialty Portland cement mixtures. This material eliminates sound reflections from single walls and reverberations between opposing parallel walls. Panels made using ACOUSTACRETE concrete feature noise reduction coefficients (NRCs) of 0.70 or higher, and can be fastened to existing surfaces with concrete anchors and widths up to 24 feet. ACOUSTACRETE noise barrier panels are available in a wide variety of patterns and colors, including brick, field stone, tree bark, graphic design, fluted, and ashlar stone styles. These barriers are suitable for such applications as highways, railroads, airports, power plants, industrial facilities, and ballistic practice and testing areas. In addition, ACOUSTACRETE barriers are available in 6-, 7-, and 8-foot heights for use as screen wall and fencing noise barriers.

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STUDY COVERAGE

This Freedonia study, ***Outdoor Noise Barriers***, offers historical demand data (2004, 2009, 2014) plus forecasts (2019, 2024) by material, market, and region of the US. The study also considers key market environment factors, assesses the industry structure, analyzes company market share and profiles 35 competitors in the US industry.

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Related Studies

Fiber Cement

This study analyzes the US fiber cement industry. It presents historical demand data (2004, 2009 and 2014) and forecasts (2019 and 2024) by material (e.g., sand, portland cement, cellulosic materials), application (e.g., siding, backerboard, molding and trim), market (residential, nonresidential) and US region. The study also considers market environment factors, details industry structure, evaluates company market share and profiles industry players.

#3348............November 2015...............$5300

World Siding (Cladding)

The global siding market is projected to grow 4.2 percent yearly through 2019 to 5.9 billion square meters, valued at $80 billion. North America will post the fastest market gains while the Asia/Pacific region will account for half of additional global demand. Metal, vinyl, stucco and EIFS siding will grow the fastest. This study analyzes the 4.8 billion square meter world siding industry, with forecasts for 2019 and 2024 by product and market/application for six world regions and 20 major countries. The study also evaluates company market share and profiles industry players.

#3327........... September 2015..............$6500

World Housing

Worldwide construction of new housing units is forecast to increase 3.0 percent annually to 2.3 billion units in 2019. North America and Western Europe will see the fastest growth from a depressed 2014 base. On a global basis, new construction of multifamily units will outpace single-family units. This study analyzes the 2.1 billion unit world housing industry, with existing stock and new unit forecasts presented for 2019 and 2024 by type in six world regions and 22 major countries. The study also considers economic trends, demographics, and other market factors.

#3312..................July 2015....................$5900

World Fiber Cement

World demand for fiber cement products is forecast to rise 4.4 percent annually to 32.6 million metric tons in 2019. Molding and trim and siding will be the fastest growing applications, based on fiber cement's ability to look like wood but last longer. North America will be the fastest growing regional market. This study analyzes the 26.3 million metric ton world fiber cement industry, with demand forecasts for 2019 and 2024 by market and application in 6 world regions and 19 countries. The study also evaluates company market share and profiles industry players.

#3273................. May 2015....................$6300

Fencing

US demand for fencing will rise 7.0 percent per year to $9.0 billion in 2018, totaling 875 million linear feet. Metal will remain the dominant material while plastic and composite fencing will grow the fastest. The nonresidential market will outpace the leading residential segment, based on strong gains in nonresidential building construction expenditures. This study analyzes the 717 million linear foot US fencing industry, with forecasts for 2018 and 2023 by material, market and US region. The study also evaluates company market share and profiles industry players.

#3224............November 2014...............$5300

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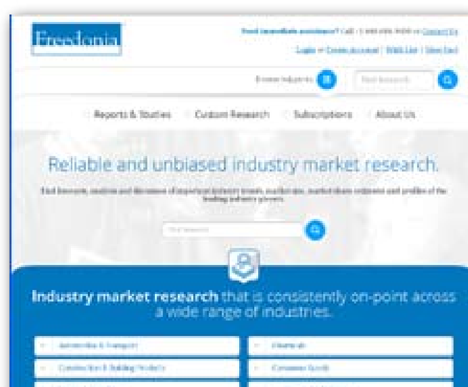

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