

Hydrophobic Coatings Market by Material (Polysiloxanes, Fluoro Alkylsilanes, Fluoropolymers, Others), by Fabrication Method (Chemical Vapor Deposition, Phase Separation, Sol Gel Process, Electrospinning, and Etching), and by Application (Building & Construction, Automotive, Aerospace, Marine, Others) - Global Opportunity Analysis and Industry Forecast, 2014 - 2022

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Abstracts

Water causes damage to the substrates as it carries many deleterious elements, such as chlorides and dirt, into the porous substrates like concrete. Hydrophobic coatings on the substrates efficiently protect the assets from water damage, and thus increase the durability of the materials. These coatings possess significant durability and superior properties such as self-cleanliness and resistance to corrosion, abrasion, and chemicals. In the year 2015, the global hydrophobic coatings market was valued at \$1,628 million and is expected to grow at a CAGR of 6.2% from 2016 to 2022 to reach \$2,471 million by 2022.

Increase in demand for hydrophobic coating globally due to their remarkable properties, rise in modernization, and growth in concern towards protecting the substrate against environmental agents. Moreover, they can be applied to any surface regardless of its composition such as plastic, glass, and metals. The market for hydrophobic coatings is also driven by the requirement of aesthetic appeal in the automotive industry. However, these coatings loaded with nanoparticles, such as titanium dioxide and zinc oxide are not stable, for long term and lose their hydrophobicity when exposed to UV radiation. On the basis of material, the market is segmented into polysiloxanes, fluoro alkylsilanes, fluoropolymers, and others. In terms of fabrication method, the market is segmented as

chemical vapor deposition, phase separation, sol gel process, electrospinning, and etching. On the basis of application, the market is segmented into building & construction, automotive, aerospace, marine, and others. In the year 2015, building & construction application held the maximum share in the hydrophobic coatings market. Geographically, the market is studied across North America, Europe, Asia-Pacific, and LAMEA. Region-wise, Asia-Pacific occupied the largest share in the market, with China and India as major countries contributing to the growth in 2015. Significant factors that led to market growth in this region are the increase in population coupled with rise in adoption of water repellent coatings, especially in building & construction, and automotive application.

Leading companies have adopted product launches and expansions as key business strategies to gain a competitive advantage in the hydrophobic coatings market. For example, in April 2016, NEI Corporation launched an anti-fog durable coating named NANOMYTE SAF-100. This helped the company to expand its product portfolio and face competition. Key players profiled in the report include BASF SE, 3M, Abrisa Technologies, Aculon, NEI Corporation, P2I, DuPont, DryWired, Accucoat Inc., Oerlikon Metco Inc., and Nanex Company.

KEY MARKET BENEFITS:

This report provides an extensive analysis of the current trends, future estimations, and dynamics from 2014 to 2022 of the global hydrophobic coatings market, which assist to identify the prevailing opportunities.

Geographically, the market is analyzed based on various regions such as North America, Europe, Asia-Pacific, and LAMEA.

Exhaustive analysis predicts the applications that are currently used along with the variants that would gain prominence in the future.

Competitive intelligence of leading manufacturers and distributors highlights the competitive scenario across the geographies.

An in-depth analysis of current research and developments within the market is provided with key dynamic factors that interpret the market behavior.

Extensive analysis is conducted by following key product positioning and monitoring the top competitors within the market framework.

Key players are profiled and their strategies are analyzed thoroughly, which portray the competitive outlook.

KEY MARKET SEGMENTS:

Global Hydrophobic Coatings Market is segmented as:

By Material

Polysiloxanes

Fluoro Alkylsilanes,

Fluoropolymers

Others

By Application

Building and Construction

Automotive

Aerospace

Marine

Others

By Fabrication Method

Chemical Vapor Deposition (CVD)

Phase Separation

Sol Gel Process

Electrospinning

Etching

By Geography

North America

U.S.

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Rest of Europe

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China

India

Japan

Rest of Asia-Pacific

LAMEA

Brazil

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Rest of LAMEA

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