

# North America and Europe Sol-Gel Coatings Market by Manufacturers, Regions, Type and Application, Forecast to 2023

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### **Abstracts**

'A sol is a dispersion of the solid particles (~ 0.1-1 ?m) in a liquid where only the Brownian motions suspend the particles. A gel is a state where both liquid and solid are dispersed in each other, which presents a solid network containing liquid components. The sol-gel coating process usually consists of 4 steps:

- (1) The desired colloidal particles once dispersed in a liquid to form a sol.
- (2) The deposition of sol solution produces the coatings on the substrates by spraying, dipping or spinning.
- (3) The particles in sol are polymerized through the removal of the stabilizing components and produce a gel in a state of a continuous network.
- (4) The final heat treatments pyrolyze the remaining organic or inorganic components and form an amorphous or crystalline coating.'

#### Scope of the Report:

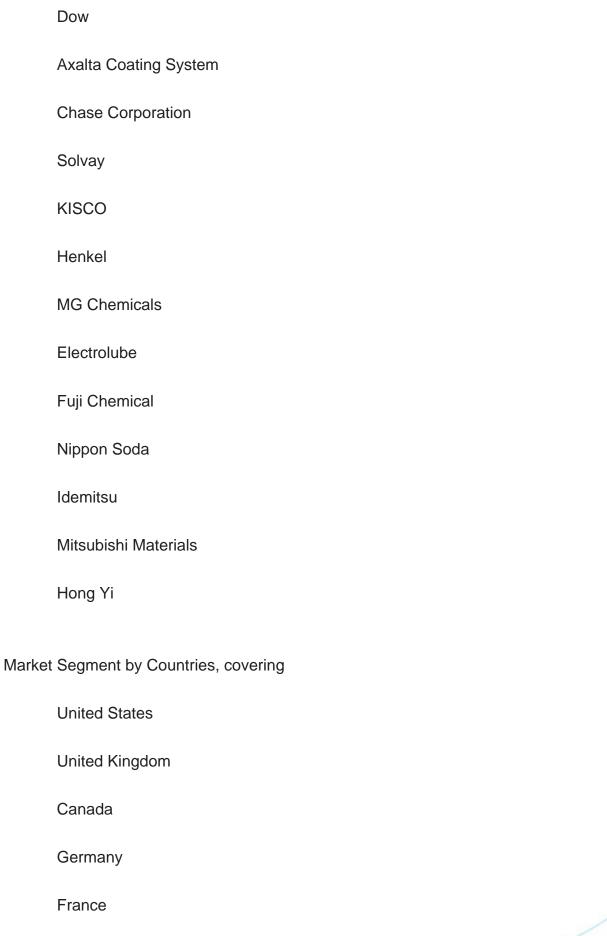
This report focuses on the Sol-Gel Coatings in North America and Europe market, especially in United States, United Kingdom, Canada, Germany, France, Italy and Spain. This report categorizes the market based on manufacturers, countries/Regions, type and application.

Market Segment by Manufacturers, this report covers

3M

**BASF SE** 







Italy	
Spain	
Market Segment by Type, covers	
Resin Coatings	
Inorganic Coatings	
Market Segment by Applications, can be divided into	
Automotive	
Construction	
Electronics	
Consumer Goods	
Others	
There are 19 Chapters to deeply display the North America and Europe Sol-Gel Coatings market.	
Chapter 1, to describe Sol-Gel Coatings Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;	
Chapter 2, to analyze the manufacturers of Sol-Gel Coatings, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;	

revenue and market share in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales,



Chapter 4, to show the North America and Europe market by countries, covering United States, United Kingdom, Canada, France, Germany, Italy and Spain, with sales, price, revenue and market share of Sol-Gel Coatings, for each country, from 2013 to 2018;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2013 to 2018;

Chapter 7, 8, 9, 10, 11, 12 and 13 to analyze the key countries by manufacturers, Type and Application, covering 7 countries, with sales, revenue and market share by manufacturers, types and applications;

Chapter 14, Sol-Gel Coatings market forecast, by countries, type and application, with sales, price, revenue and growth rate forecast, from 2018 to 2023;

Chapter 15, to analyze the manufacturing cost, key raw materials and manufacturing process, etc.

Chapter 16, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 17, to describe sales channel, distributors, traders, dealers, etc.

Chapter 18 and 19, to describe the research findings and conclusion, appendix, methodology and data source.



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