

Global and United States Sol-Gel Coatings Market Research by Company, Type & Application 2013-2025

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Abstracts

SUMMARY

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.

Market Segment as follows:

By Type

Resin Coatings

Inorganic Coatings

By Application

Automotive



Construction **Electronics Consumer Goods** Others By Company **BASF SE** 3M Dow **Axalta Coating System Chase Corporation** Solvay **KISCO** Henkel MG Chemicals Electrolube Fuji Chemical Nippon Soda

Idemitsu

Mitsubishi Materials



Hong Yi

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

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Company information, business overview, sales data and product specifications;

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