

Global Self-Healing Materials Market Size study, By Form (Extrinsic, Intrinsic), By Material Type (Concrete, Coatings, Polymers, Asphalt, Fibre-reinforced composite, Ceramic, Metals), By End-use Industry (Building & Construction, Transportation, Mobile Devices, Others), and Regional Forecasts 2022-2028

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Abstracts

Global Self-Healing Materials Market is valued at approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. Self-healing materials are artificial or synthetically manufactured substances with the ability to naturally repair damages to themselves without the need for external diagnostic or human involvement. These materials are widely utilized in coatings and concrete applications in various end-use verticals such as building & construction, transportation, mobile devices, and others. The thriving growth of the construction industry, rising awareness regarding the rapid healing time, and increasing number of stringent regulations on structural integrity are the significant factors propelling the market demand around the world. For instance, as per a Statista analysis, in the United States, construction expenditure in the private sector stood at USD 1,023.02 billion and public sector at USD 310.17 billion in 2018. Also, the amount reached USD 1140.91 billion in the private sector and USD 355.54 billion in the public sector in 2020. Consequentially, the increasing spending on construction activities is bolstering the growth of the global market. However, the high price of self-healing materials compared to conventional materials and limited design, and several shortcomings of the products may curb the growth of the market over the forecast period of 2022-2028. Also, the rising investments in R&D activities and economic development are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Self-Healing Materials Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Europe is the leading region across the world in terms of market share owing to the increasing foreign direct investments (FDI) in the electronic and automotive segment and rising consumer spending. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the development of the building and infrastructural industry, increasing population, as well as, rising disposable income, would create lucrative growth prospects for the Self-Healing Materials Market across the Asia-Pacific region.

Major market players included in this report are:

Acciona S.A.

AkzoNobel N.V.

Evonik Industries

Sensor Coating Systems Ltd.

Applied Thin Films, Inc.

Avecom N.V.

BASF SE

Covestro AG

Autonomic Materials Inc.

Slips Technologies, Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Form:

Extrinsic

Intrinsic

By Material Type:

Concrete

Coatings

Polymers

Asphalt
Fibre-reinforced composite
Ceramic
Metals
By End-use Industry:
Building & Construction
Transportation
Mobile Devices
Others
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Self-Healing Materials Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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