

Global Hygroscopic Building Material Market Size study, by Adsorption Process (Physical Adsorption, Chemical Adsorption), by End-Use (Commercial, Residential, Industrial), by Type (Inorganic Minerals/Clays, Inorganic Salts, Natural Hygroscopic Materials, Molecular Sieve, Silica/Silicon Dioxide, Others), by Application (Building Material, Structural Application) and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G9C3ACB894C1EN.html>

Date: May 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G9C3ACB894C1EN

Abstracts

Global Hygroscopic Building Material Market is valued at approximately USD 768 million in 2021 and is anticipated to grow with a healthy growth rate of more than 6.5% over the forecast period 2022-2028. Moisture can be absorbed and stored by hygroscopic construction materials. The relative humidity (RH) variation in the vapour partial pressure of the air in the vicinity determines whether the process of absorbing or desorbing occurs. The amount of accessible surface area/porosity and the material's composition determines its hygroscopic potential. In residential, commercial, or industrial buildings, hygroscopic materials are utilised to control indoor humidity and maintain a habitable atmosphere. The market is being driven by rising demand for hygroscopic building materials from emerging regions and expansion in the construction industry. For instance, according to Statista, from fiscal year 2015 to fiscal year 2020, the construction industry in India is expected to increase at a rate of 5.65 percent, up from 2.95 percent from fiscal year 2010 to fiscal year 2015. However, Coal, bauxite, silicate, zeolite, and clay are the principal raw materials utilised in the production of hygroscopic materials. If ingested, silica/silicon dioxide can potentially cause choking. Such elements can have a negative impact on the market growth.

The key regions considered for the global Hygroscopic Building Material market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. The largest market for hygroscopic construction materials in Asia Pacific. The region is an appealing investment destination for numerous businesses due to the availability of low-cost raw materials and labour, as well as rising local demand. The market in this area is likely to be driven by expanding population, urbanisation, industrialisation, and worries about infrastructure development in China and India. Whereas, North America is expected to hold a significant share of the market with the growing investment in the construction sector.

Major market players included in this report are:

Porocel Corporation

W.R. Grace

Clariant

BASF SE

Arkema SA

Honeywell International

Jalon Chemicals

Hengye Inc

Dessica Chemicals

Fuji Silysia Chemical Ltd.

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 Adsorption Process:

Physical Adsorption

Chemical Adsorption

By End-use:

Commercial

Residential

Industrial

By Type

Inorganic Minerals/Clays
Inorganic Salts
Natural Hygroscopic Materials
Molecular Sieve
Silica/Silicon Dioxide
Others
By Application:
Building Material
Structural Application

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 Hygroscopic Building Material 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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