

Global Composite Concrete Deck Market Size study & Forecast, by Thickness Type (1.5," 2", 3"), by Deck Type (Proprietary System, Pre-Cast, Site-Built), by Application (Residential, Commercial) and Regional Analysis, 2023-2030

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Abstracts

Global Composite Concrete Deck Market is valued at approximately USD 456 million in 2022 and is anticipated to grow with a healthy growth rate of more than 6.9% over the forecast period 2023-2030. A composite concrete deck, also known as a composite deck slab or composite slab, is a structural system commonly used in building construction. It involves combining two materials, concrete and steel, to create a strong and efficient floor or roof deck. The Composite Concrete Deck market is expanding because of factors such as the increasing number of construction activities and rapid urbanization. The composite deck consists of a steel reinforcement system, typically in the form of steel bars or mesh, placed within the concrete slab. The steel reinforcement provides tensile strength to the structure and helps resist bending and cracking. Its importance has progressively increased during the forecast period 2023-2030.

Composite concrete decks are known for their relatively quick installation compared to traditional construction methods. The increased pace of construction activities could make such systems even more attractive due to their efficiency and time-saving benefits. According to Statista, in 2022, The construction industry has grown to a spending value of almost USD 12 trillion and is projected to increase at an average of 3% annual rate. This comprises residential and commercial real estate construction projects. Furthermore, the construction market accounts for USD 6.4 trillion in 2020 and is projected to reach up to USD 14.4 trillion by 2030. Another important factor that drives the Composite Concrete Deck market is increasing urbanization. Urbanization often leads to the construction of high-rise buildings to accommodate the growing

population in limited space. Composite concrete decks are commonly used as floor slabs in high-rise buildings. Their strength and load-carrying capacity allow for taller structures, while the reduced floor thickness contributes to maximizing usable space. In addition, as per Statista, in 2022, The global rate of urbanization was 57%. North America has the highest amount of urbanization, with more than four-fifths of the population living in cities. Moreover, rising government initiatives for infrastructure projects and growing demand for sustainable building materials are anticipated to create lucrative growth opportunities for the market over the forecast period. However, high cost of labor and high material maintenance stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Composite Concrete Deck Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the rising concerns about sustainability and the environmental impact of building materials and technological advancement in construction material handling solutions in the region. Furthermore, Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising government investments in infrastructure development, including roads, bridges, and buildings, owing to urbanization and population growth in the region.

Major market player included in this report are:

ASC Steel Deck

Raised Floor Solutions Limited

Tata Steel

Prodeck-Fixing Ltd.

Structural Metal Decks Ltd

O'Donnell Metal Deck, LLC

Construction Metal Forming Limited

Cordeck

A.C.T. Metal Deck Supply

Truedek Steel Decking solutions

Recent Developments in the Market:

In January 2023, Tata Steel Limited started its construction on a new 0.75 MTPA electric arc furnace (EAF)-based steelmaking facility with a rebar mill in the Ludhiana district. The new factory will be built in Kadiana Khurd, a new industrial park close to the city's state-of-the-art hi-tech cycle valley, which spans 383 acres.

Global Composite Concrete Deck Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Thickness Type, Deck Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving

factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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 Thickness Type

1.5"

2"

3"

By Deck Type

Proprietary System

Pre-Cast

Site-Built

By Application

Residential

Commercial

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

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Million)
 - 1.2.1. Composite Concrete Deck Market, by Region, 2020-2030 (USD Million)
 - 1.2.2. Composite Concrete Deck Market, by Thickness Type, 2020-2030 (USD Million)
 - 1.2.3. Composite Concrete Deck Market, by Deck Type, 2020-2030 (USD Million)
 - 1.2.4. Composite Concrete Deck Market, by Application, 2020-2030 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL COMPOSITE CONCRETE DECK MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL COMPOSITE CONCRETE DECK MARKET DYNAMICS

- 3.1. Composite Concrete Deck Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing number of construction activities
 - 3.1.1.2. Rapid urbanization
 - 3.1.2. Market Challenges
 - 3.1.2.1. High cost of labour
 - 3.1.2.2. High material maintenance
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising government initiatives for infrastructure projects
 - 3.1.3.2. Growing demand for sustainable building materials

CHAPTER 4. GLOBAL COMPOSITE CONCRETE DECK MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL COMPOSITE CONCRETE DECK MARKET, BY THICKNESS TYPE

- 5.1. Market Snapshot
- 5.2. Global Composite Concrete Deck Market by Thickness Type, Performance - Potential Analysis
- 5.3. Global Composite Concrete Deck Market Estimates & Forecasts by Thickness Type 2020-2030 (USD Million)
- 5.4. Composite Concrete Deck Market, Sub Segment Analysis
 - 5.4.1. 1.5"
 - 5.4.2. 2"
 - 5.4.3. 3"

CHAPTER 6. GLOBAL COMPOSITE CONCRETE DECK MARKET, BY DECK TYPE

- 6.1. Market Snapshot
- 6.2. Global Composite Concrete Deck Market by Deck Type, Performance - Potential

Analysis

6.3. Global Composite Concrete Deck Market Estimates & Forecasts by Deck Type 2020-2030 (USD Million)

6.4. Composite Concrete Deck Market, Sub Segment Analysis

6.4.1. Proprietary System

6.4.2. Pre-Cast

6.4.3. Site-Built

CHAPTER 7. GLOBAL COMPOSITE CONCRETE DECK MARKET, BY APPLICATION

7.1. Market Snapshot

7.2. Global Composite Concrete Deck Market by Application, Performance - Potential Analysis

7.3. Global Composite Concrete Deck Market Estimates & Forecasts by Application 2020-2030 (USD Million)

7.4. Composite Concrete Deck Market, Sub Segment Analysis

7.4.1. Residential

7.4.2. Commercial

CHAPTER 8. GLOBAL COMPOSITE CONCRETE DECK MARKET, REGIONAL ANALYSIS

8.1. Top Leading Countries

8.2. Top Emerging Countries

8.3. Composite Concrete Deck Market, Regional Market Snapshot

8.4. North America Composite Concrete Deck Market

8.4.1. U.S. Composite Concrete Deck Market

8.4.1.1. Thickness Type breakdown estimates & forecasts, 2020-2030

8.4.1.2. Deck Type breakdown estimates & forecasts, 2020-2030

8.4.1.3. Application breakdown estimates & forecasts, 2020-2030

8.4.2. Canada Composite Concrete Deck Market

8.5. Europe Composite Concrete Deck Market Snapshot

8.5.1. U.K. Composite Concrete Deck Market

8.5.2. Germany Composite Concrete Deck Market

8.5.3. France Composite Concrete Deck Market

8.5.4. Spain Composite Concrete Deck Market

8.5.5. Italy Composite Concrete Deck Market

8.5.6. Rest of Europe Composite Concrete Deck Market

- 8.6. Asia-Pacific Composite Concrete Deck Market Snapshot
 - 8.6.1. China Composite Concrete Deck Market
 - 8.6.2. India Composite Concrete Deck Market
 - 8.6.3. Japan Composite Concrete Deck Market
 - 8.6.4. Australia Composite Concrete Deck Market
 - 8.6.5. South Korea Composite Concrete Deck Market
 - 8.6.6. Rest of Asia Pacific Composite Concrete Deck Market
- 8.7. Latin America Composite Concrete Deck Market Snapshot
 - 8.7.1. Brazil Composite Concrete Deck Market
 - 8.7.2. Mexico Composite Concrete Deck Market
- 8.8. Middle East & Africa Composite Concrete Deck Market
 - 8.8.1. Saudi Arabia Composite Concrete Deck Market
 - 8.8.2. South Africa Composite Concrete Deck Market
 - 8.8.3. Rest of Middle East & Africa Composite Concrete Deck Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. ASC Steel Deck
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. Raised Floor Solutions Limited
 - 9.3.3. Tata Steel
 - 9.3.4. Prodeck-Fixing Ltd.
 - 9.3.5. Structural Metal Decks Ltd
 - 9.3.6. O'Donnell Metal Deck, LLC
 - 9.3.7. Construction Metal Forming Limited
 - 9.3.8. Cordeck
 - 9.3.9. A.C.T. Metal Deck Supply
 - 9.3.10. Truedek Steel Decking solutions

CHAPTER 10. RESEARCH PROCESS

10.1. Research Process

10.1.1. Data Mining

10.1.2. Analysis

10.1.3. Market Estimation

10.1.4. Validation

10.1.5. Publishing

10.2. Research Attributes

10.3. Research Assumption

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