+357 96 030922
info@marketpublishers.com

Circular Construction and Demolition Materials Market Forecasts to 2034 – Global Analysis By Material Type (Recycled Concrete Aggregates (RCA), Reclaimed Asphalt Pavement (RAP), Recycled Metals, Recycled Wood & Timber, Gypsum & Drywall Recycling, Plastics & Polymers from C&D waste and Glass Recycling), Waste Source, Application, End User and By Geography

https://marketpublishers.com/r/CA4C8A6DFE1DEN.html
Date: June 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: CA4C8A6DFE1DEN

Abstracts

According to Stratistics MRC, the Global Circular Construction and Demolition Materials Market is accounted for $111.0 billion in 2026 and is expected to reach $243.1 billion by 2034 growing at a CAGR of 10.3% during the forecast period. Circular Construction and Demolition Materials refer to the recovery, processing, and reuse of waste produced during construction, demolition, and renovation activities. Materials typically consist of recovered concrete, timber, steel, bricks, glass, and asphalt that can be transformed into inputs for new building projects. This strategy encourages sustainable development by minimizing landfill disposal, preserving natural resources, and decreasing greenhouse gas emissions. It aligns with circular economy models by keeping materials in continuous use for longer periods. Adoption of these practices is growing among governments and construction firms worldwide to enhance efficiency, reduce expenses, and comply with environmental sustainability standards infrastructure sectors.

According to the European Environment Agency, construction and demolition (C&D) waste accounts for nearly one third of all waste generated in the EU, amounting to over 450 million tonnes annually, making it the single largest waste stream in Europe. Data shows that recycling and reuse of these materials are critical to achieving circular

+357 96 030922
info@marketpublishers.com

economy goals in the built environment.

Market Dynamics:

Driver:

Rapid urbanization and construction waste generation

The expansion of urban areas and growing construction activities are key factors boosting the Circular Construction and Demolition Materials market. As cities develop rapidly, demand for housing, infrastructure, and commercial buildings rises, producing large amounts of construction and demolition waste. Materials such as concrete, steel, timber, and bricks accumulate in significant quantities, requiring effective recycling solutions. Limited landfill space in urban regions further intensifies the need for sustainable waste management approaches. With increasing population density in cities, authorities and builders are adopting circular practices to manage waste efficiently, minimize environmental damage, and support long-term sustainable urban development strategies.

Restraint:

Lack of standardized recycling infrastructure

Insufficient and non-uniform recycling infrastructure significantly restricts the Circular Construction and Demolition Materials market. In several developing regions, systems for gathering, segregating, and processing construction waste are poorly developed or unavailable. This leads to weak recovery efficiency and reduced recycling output. The lack of standardized processes and technologies also causes variations in the quality of recycled materials, making them less reliable for construction use. Additionally, the high investment required to establish modern recycling facilities discourages widespread adoption. Consequently, infrastructural limitations continue to obstruct the effective growth and implementation of circular construction and demolition material practices worldwide.

Opportunity:

Expansion of green building and sustainable construction projects

The rising development of green buildings and sustainable infrastructure projects offers

+357 96 030922
info@marketpublishers.com

strong growth potential for the Circular Construction and Demolition Materials market. Growing preference for energy-efficient and environmentally responsible structures is pushing developers to incorporate recycled materials into construction designs. Certification systems like LEED and BREEAM are encouraging wider adoption of sustainable building practices. Additionally, governments and private investors are increasing funding for eco-friendly infrastructure, strengthening demand for circular construction materials. As sustainable construction gains global momentum, the demand for recycled construction and demolition materials is expected to rise steadily.

Threat:

Fluctuating demand for recycled construction materials

Unstable demand for recycled construction materials poses a significant risk to the Circular Construction and Demolition Materials market. The requirement for recycled aggregates, metals, and other recovered resources fluctuates based on economic cycles and construction activity levels. In periods of economic downturn or reduced infrastructure investment, overall material demand declines, negatively impacting recycling operations. Furthermore, continued preference for virgin construction materials in certain projects weakens the market for recycled alternatives. This variability creates challenges for recycling firms in maintaining consistent output and revenue streams. Consequently, uncertain demand conditions hinder long-term planning, investment stability, and the overall growth of circular construction practices.

Covid-19 Impact:

The COVID-19 outbreak created both challenges and opportunities for the Circular Construction and Demolition Materials market. Construction activities were significantly reduced during lockdown periods, resulting in lower waste generation and decreased demand for recycled construction materials. Disruptions in supply chains and workforce shortages further hindered recycling operations and material recovery processes. At the same time, the crisis highlighted the importance of sustainability and efficient resource use, prompting greater interest in eco-friendly construction methods. Following recovery, increased infrastructure spending has supported market growth. Overall, the pandemic caused short-term setbacks while reinforcing long-term adoption of circular construction practices worldwide.

The recycled concrete aggregates (RCA) segment is expected to be the largest during the forecast period

+357 96 030922
info@marketpublishers.com

The recycled concrete aggregates (RCA) segment is expected to account for the largest market share during the forecast period because of the massive quantity of concrete waste produced from global demolition and renovation activities. As concrete is extensively used in construction, it generates a large and consistent supply of recyclable material. RCA is widely applied in road construction, foundation layers, and even new concrete mixtures, making it a flexible and economical option. Growing infrastructure development and sustainability goals that aim to reduce reliance on natural aggregates further drive its demand. It’s simple processing methods and broad industry acceptance contribute to its leading position in the market.

The infrastructure segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the infrastructure segment is predicted to witness the highest growth rate, supported by extensive government spending on transportation systems, smart city initiatives, and public infrastructure development. These large-scale projects produce significant volumes of construction and demolition waste, increasing the need for efficient recycling and recovery solutions. Growing emphasis on sustainable infrastructure and eco-friendly building practices is further boosting the use of circular materials. Governments are focusing on long-lasting, cost-effective, and environmentally compliant construction methods. This is encouraging greater adoption of recycled aggregates, metals, and asphalt in infrastructure development worldwide.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share because of its stringent environmental regulations and highly developed recycling infrastructure. The region benefits from strong policy frameworks that enforce construction waste recycling and reduce landfill dependency. Countries including Germany, the Netherlands, and the UK have advanced systems for recovering and reusing construction materials efficiently. European Union directives focused on circular economy practices and sustainable waste management further strengthen market expansion. In addition, high sustainability awareness among industry players and consistent government support for eco-friendly construction practices reinforce Europe’s dominant position globally.

Region with highest CAGR:

+357 96 030922
info@marketpublishers.com

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, supported by fast-paced urban growth and extensive infrastructure expansion. Major economies like China, India, and several Southeast Asian countries are experiencing increased construction activity, leading to higher volumes of demolition and construction waste. Governments are increasingly promoting sustainable development and improved waste management systems. Investments in smart cities, transport infrastructure, and industrial projects are further encouraging recycling practices. Rising environmental awareness and focus on resource efficiency are accelerating the adoption of circular construction methods throughout the region.

Key players in the market

Some of the key players in Circular Construction and Demolition Materials Market include Veolia, Suez, Republic Services, Waste Management Inc., Cleanaway, Remondis, FCC Environment, Urbaser, GeoCycle, Holcim, Heidelberg Materials, Cemex, CRH plc, Boral, Aggregate Industries, Hanson UK, Waste Connections and GFL Environmental.

Key Developments:

In February 2026, Veolia has secured two 15-year operations and maintenance (O&M) contracts for Mumbai’s upcoming Bhandup and Panjrapur Water Treatment Plants (WTPs), strengthening its presence in India’s municipal water sector. The contracts mark the largest municipal water sector agreements signed by a French company in India. The combined treatment capacity of the two plants will be 2,910 million litres per day (MLD), equivalent to 2.91 million cubic metres per day.

In October 2025, Cleanaway entered into a long-term agreement with Acciona to supply waste to the Kwinana Energy Recovery Facility, harnessing Energy from Waste (EfW) technology to divert waste from landfills while recovering valuable resources. Cleanaway believes that EfW plays a key role in the waste value chain and transitioning to a circular economy, providing a long-term solution for waste that cannot be diverted from landfill and delivers a superior environmental solution compared to landfill.

In April 2025, SUEZ and the CNRS have signed a five-year framework agreement to combine their R&D efforts and develop innovative solutions to promote sustainable resource management and new decarbonisation technologies. This framework agreement aims to pool together SUEZ’s innovation capabilities and the CNRS’ scientific excellence.

+357 96 030922
info@marketpublishers.com

Material Types Covered:

- Recycled Concrete Aggregates (RCA)
- Reclaimed Asphalt Pavement (RAP)
- Recycled Metals
- Recycled Wood & Timber
- Gypsum & Drywall Recycling
- Plastics & Polymers from C&D waste
- Glass Recycling

Waste Sources Covered:

- Construction Waste
- Demolition Waste

Applications Covered:

- Road Base & Pavement Materials
- Structural Concrete & Cement Substitutes
- Asphalt Production
- Metal Reuse in New Construction
- Wood Products
- Gypsum in New Drywall Manufacturing

+357 96 030922
info@marketpublishers.com

- Plastics & Polymers in Construction Products
- Glass in Tiles, Aggregates, and Insulation

End Users Covered:

- Residential Construction
- Commercial Construction
- Industrial Construction
- Infrastructure

Regions Covered:

- North America
- United States
- Canada
- Mexico
- Europe
- United Kingdom
- Germany
- France
- Italy
- Spain
- Netherlands

+357 96 030922
info@marketpublishers.com

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

+357 96 030922
info@marketpublishers.com

- Argentina
- Colombia
- Chile
- Peru
- Rest of South America
- Rest of the World (RoW)
- Middle East
  - Saudi Arabia
  - United Arab Emirates
  - Qatar
  - Israel
  - Rest of Middle East
- Africa
  - South Africa
  - Egypt
  - Morocco
  - Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments

+357 96 030922
info@marketpublishers.com

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9 GLOBAL CIRCULAR CONSTRUCTION AND DEMOLITION MATERIALS MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

10 STRATEGIC MARKET INTELLIGENCE

11 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

12 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Circular Construction and Demolition Materials Market Forecasts to 2034 – Global Analysis By Material Type (Recycled Concrete Aggregates (RCA), Reclaimed Asphalt Pavement (RAP), Recycled Metals, Recycled Wood & Timber, Gypsum & Drywall Recycling, Plastics & Polymers from C&D waste and Glass Recycling), Waste Source, Application, End User and By Geography

Product link: https://marketpublishers.com/r/CA4C8A6DFE1DEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/CA4C8A6DFE1DEN.html