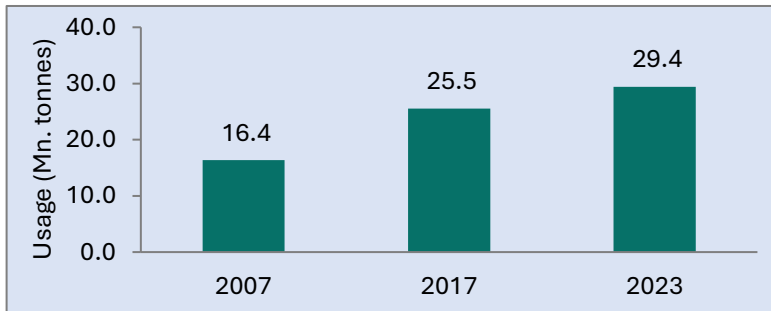


Global Aluminium Flat Rolled Products (FRP) sector - 2023

Industry highlights

- Aluminium flat rolled products (FRP) have a vast number of applications and are recyclable at the 'end of life'. From simple applications in factory roofing to complex alloys used in aerospace and defence, aluminium FRP is ubiquitous in industrial and consumer markets around the world.
- Global aluminium FRP usage expanded from 16.4 million tonnes in 2007 to 29.4 million tonnes in 2023. China, European Union (EU) and North America are the leading markets; other key markets include Japan, Brazil, India and S. Korea.

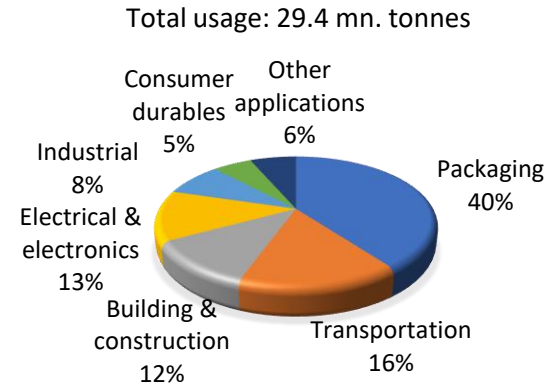
Global Aluminium FRP usage, 2007-2023 (mn. tonnes)



Source: MCG research estimate

- Demand for aluminium FRP is poised for significant expansion in the coming decade, driven by growth in user segments as well as global initiatives directed towards sustainability including reduction in vehicle emissions.
- Light weighting and recyclability are two key factors that will drive the demand for aluminium FRP in the coming decades.

Aluminium FRP usage by end use, 2023 (%)

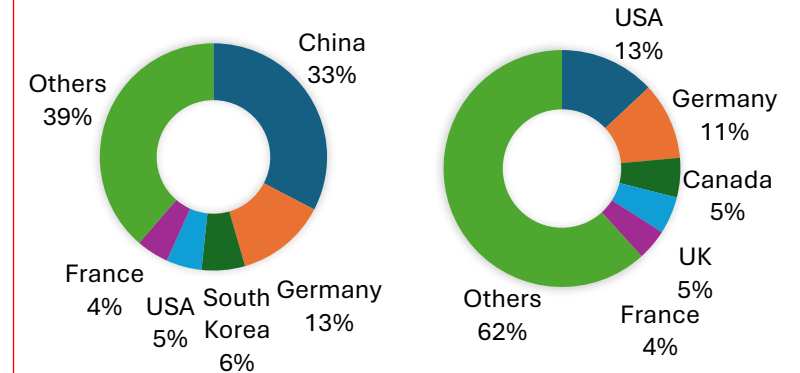


Source: MCG research estimate

- Aluminium can stock (body and end) and foil stock accounted for about 20% each of the global demand in 2023.
- Closed-loop recycling of aluminium beverage cans is expected to substantially lift the global recycling rates
- China, EU, US, Japan and S. Korea are key markets for value-added products such as auto sheet, can stock, foil stock, plates & sheet for aerospace and defence applications
- Demand for aluminium autobody sheet has been growing impressively as major automakers enter the EV space; new EV applications such as battery foil are expanding the market rapidly.
- Aluminium plate is a widely used material in the aerospace industry; the modern-day commercial aircraft comprises 60-70% of aluminium of its total weight.

- Applications of aluminium FRP in electrical & electronics sector range from HVAC and battery casing to laptops and mobile phones.
- Aluminium FRP applications use alloys ranging from high purity 1xxx to high-strength 7xxx / 2xxx series, that include alloying elements like zinc, magnesium and copper.
- Worldwide, aluminium FRP export stood close to 10.9 million tonnes in 2022, valued at US\$ 49 billion.

Major FRP exporters (%) Major FRP importers (%)



Source: International Trade Centre (ITC)

This Info-Capsule is based on MCG's report titled "Future of Global Aluminium Flat Rolled Products (FRP) Markets - Trends and Forecast to 2030," released in 2024. For further information on this report, please email enquiries@mcg.in

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