



November 21, 2024

Central Japan Railway Company
Sankyo Tateyama, Inc.
Mitsui Fudosan Residential Co., Ltd.
JR Tokai Corporation

JR Central Group and Sankyo Tateyama jointly developed a building material using recycled aluminum from the Tokaido Shinkansen, and it is being adopted for the first time in a construction project of Mitsui Fudosan Residential

Tokyo, Japan, November 21, 2024 - Central Japan Railway Company (JR Central), Sankyo Tateyama, Inc. (Sankyo Tateyama), and JR Tokai Corporation recently announced they have jointly developed Re♻ALumi T, a building material that recycles aluminum from Tokaido Shinkansen train cars. Also, it has been recently announced that Re♻ALumi T will first be used in the sashes at a construction project of Mitsui Fudosan Residential Co., Ltd. (Mitsui Fudosan Residential).

1. Features of Re♻ALumi T

- A building material with the high strength, weather-resistance, and surface processability of Tokaido Shinkansen recycled aluminum
- Compared to normal building materials that use aluminum ingots (aluminum primary material extracted from natural resources), CO₂ emissions from manufacturing are drastically reduced to contribute to the achievement of carbon neutrality.
- Moreover, through material recycling, the domestic aluminum recycling rate is increased, which helps contribute to a circular economy.

2. Re♻ALumi T product details

1) Re♻ALumi T50

- Uses 50% recycled aluminum from the Tokaido Shinkansen
- Reduces CO₂ emissions from manufacturing by around 40% (compared to aluminum ingots)
- Primarily used in curtain walls and sashes, etc.
- Orders to begin Thursday, November 21, 2024

2) Re♻ALumi T100

- Uses 100% recycled aluminum from the Tokaido Shinkansen
- Reduces CO₂ emissions from manufacturing by around 80% (compared to aluminum ingots)
- Primarily used in louvers and spandrels
- Orders scheduled to begin in March 2025

Low carbon aluminum building material

Re♻ALumi T

For Circular Economy with SankyoAlumi
Recycled aluminum from the Tokaido Shinkansen

3. Re◇ALumi T50 installation plans

1) 1-Chome Mukogaoka, Bunkyo-ku Project

(tent. name)

- Being developed by Mitsui Fudosan Residential
- Scheduled to be completed in September 2025
- Planned to be installed in the sashes of condominiums

2) Courtyard by Marriott Kyoto Station

- Being developed by JR Central Group and Marriott International
- Scheduled to be completed in FY2026
- Planned to be installed in the guest room sashes



Chome Mukogaoka,
Bunkyo-ku Project
(tent. name)



Courtyard by Marriott
Kyoto Station

4. About the future

In the JR Central Group, recycled aluminum from the Tokaido Shinkansen had been utilized in general goods and ornamental materials, but going forward it will promote the B2B business by selling building materials like Re◇ALumi T, jointly developed recently, to work to create new value and expand its business.

5. About sustainability activities

◆JR Central Group

JR Central positions environmental conservation as an important management issue. It strictly complies with environment-related laws and ordinances and has been committed to the appropriate management and reduction of chemical substances and waste materials, while also promoting the effective use of resources. The company will expand applications for recycled aluminum from the Tokaido Shinkansen in coordination with companies and others outside the Group and through material recycling will work to lower the impact on the environment.

◆Sankyo Tateyama

At Sankyo Tateyama, to set forth a long-term direction, it formulated Sustainability Vision 2050 Life with Green Technology with aim of being a corporate group that brings about sustainable, affluent lives with environmental technologies. This includes the challenge of carbon neutrality and resource recycling. Through developing environmentally conscious products, reducing emission of greenhouse gases and conducting other measures to address global warming, and engaging in initiatives for a circular economy by promoting use of recycled aluminum, the company will contribute to the realization of a decarbonized society.

◆Mitsui Fudosan Group

The Mitsui Fudosan Group, based on its Group DNA & Mark philosophy, which is “to generate new value through cooperation, coexistence and co-creation, we forge ahead, innovating,” we recognized the creation of social value and creation of economic value as the two axles of the car and that creating economic value must lead to the creation of even greater social value.

Details on the new long-term management policy of the Mitsui Fudosan Group, & INNOVATION 2030, can be found here: <https://www.mitsuifudosan.co.jp/english/corporate/innovation2030/>

*All images are renderings.