CIRCULAR AND DECARBONIZATION INNOVATIONS FOR THE BUILDING SECTOR

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LIXIL

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> LIXIL: TOUCHING THE LIVES OF OVER ONE BILLION PEOPLE EVERYDAY

At LIXIL, we draw on our Japanese heritage to create world leading technology and innovate to make high quality products that transform homes.



LIXIL'S PURPOSE MAKE BETTER HOMES A REALITY FOR EVERYONE, EVERYWHERE



ZERO CARBON AND CIRCULAR LIVING

By 2050, LIXIL aims to reduce CO₂ emissions from our business processes, products, and services to **net zero** and to be a leader in the field of preserving water and limited resources for future generations. **Three Focus Areas to Achieve Our Vision**



CLIMATE CHANGE MITIGATION AND ADAPTATION

Achieve Net-Zero GHG Emissions through Our Business Operations, Products and Services



WATER SUSTAINABILITY

Enhance the Environmental Value of Water Resources by Saving, Circulating and Purifying Water

CIRCULAR ECONOMY

Help Transition to a Circular Economy and Preserve Natural Resources for Future Generations

First Japanese Building Products Company to Receive SBT Net-Zero Approval for 2050 Zero CO₂



> A COMPREHENSIVE APPROACH TO DECARBONIZATION

PRODUCT CARBON FOOTPRINT

Embodied Carbon

Circular use of resources and low-carbon materials

Including the use of Recycled Aluminum



Operational Carbon

Innovations to improve the performance of homes

We offer construction methods and products that insulate and renovate an entire house.

High-performance windows and doors that meet the standards for national subsidies for thermal insulated products with higher energy efficiency performance.



ENVIRONMENTAL ADVANTAGES OF RECYCLED ALUMINUM



Source: 1: UNEP, 2019. https://www.unep.org/topics/energy/buildings

2. Japan Aluminum Association, 2019. https://www.aluminum.or.jp/vision2050/

> LIXIL'S ALUMINUM PRODUCTS



For over 25 years, LIXIL has advanced recycling technologies and established stable procurement of aluminum scrap

RECYCLED LOW-CARBON ALUMINUM "PREMIAL" SERIES

Launched the recycled low-carbon aluminum "PremiAL" series. (Dec 15th, 2022)





Low-carbon aluminium profiles that enhance the environmental value of buildings.

> PremiAL (R70 Recycled Low-Carbon Aluminum



"PremiAL" series Global Expansion



Now manufactured at all LIXIL aluminum manufacturing sites, including those outside of Japan



Used for:

-Construction of a variety of buildings and facilities, including commercial applications -Applications outside of the building industry

> LIXIL'S COMMITMENT TO ALUMINUM RECYCLING

LIXIL has developed production techniques for recycled aluminum across all processes, including melting, casting, extrusion, and surface treatment. FYE2031

FYE2023 FYE2024 74% 78% FYE2024 **TARGET:** Use of recycled aluminum*



> CONTRIBUTING TO A DECARBONIZED AND CIRCULAR ECONOMY

LIXIL is developing circular materials to effectively utilize non-recyclable waste plastics, reducing their overall volume.



Scaling innovations such as PremiAL and revia



LIXIL will continue to work with a wide range of stakeholders, including customers, local communities, business partners, and employees for society and the planet.

We welcome collaboration with like-minded partners towards a decarbonized, circular economy.





MAKE BETTER HOMES A REALITY FOR EVERYONE, EVERYWHERE 世界中の誰もが願う、豊かで快適な住まいの実現