

NEWS RELEASE

July 14, 2023

REFINVERSE Group, Inc.

Up to a 96% Reduction in CO₂ Emissions Announcement of the Acquisition of EcoLeaf and CFP Labels for REFINE POWDER Recycled Vinyl Chloride Compound

Contributing to a Reduction in Greenhouse Gases with Closed-loop Recycling of Carpet Tiles

REFINVERSE Group, Inc. (Head Office: Chiyoda-ku, Tokyo / President and CEO: Akira Ochi) manufactures and sells REFINE POWDER recycled vinyl chloride compound. We make this REFINE POWDER by recycling used carpet tiles.

We have now acquired two labels – EcoLeaf and CFP – for our REFINE POWDER based on the SuMPO Environmental Label Program of the Sustainable Management Promotion Organization (SuMPO).



JR-BA-23001

JR-BA-23002

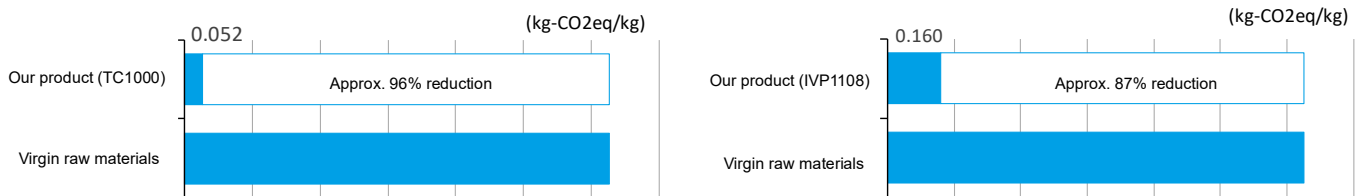


REFINE POWDER

The SuMPO Environmental Label Program is an EPD*¹ certification program. Organizations use the Life Cycle Assessment (LCA) technique to quantitatively disclose environmental information considering the entire of the lifecycle of products – from resource extraction to manufacturing, distribution, use, disposal and recycling – in this program.

We have been striving to improve productivity and save energy in our processes to produce REFINE POWDER. Those efforts have reduced our CO₂ emissions by up to 96%. That is contributing to a reduction in our environmental burden.

Comparison of the CO₂ Emissions from Our Product and Virgin Raw Materials



- The amounts of the reduction in CO₂ have been independently calculated by Refinverse, Inc.
- The amounts of the reduction in CO₂ have not been verified by EcoLeaf or CFP. The validity of the numbers has not been confirmed by a third party.
- We have calculated the CO₂ emissions at each stage of the process with reference to IDEA v2.3.
- We have calculated the CO₂ emissions of virgin nylon based on the results of our own research.

We convert into resources approximately 4 million m² (approximately 20,000 tons) of used carpet tiles annually. We have supplied a quantity of REFINE POWDER equivalent to 56.3 million m² of carpet tiles since we entered the business of converting waste into resources. The reduction in CO₂ emissions from that amounts to 263,000 t. The REFINE POWDER we recycle from carpet tiles is contributing to the realization of the ideal closed-loop recycling of carpet tiles to carpet tiles in which it has been adopted by many carpet tile manufacturers to be used as the raw material once again of carpet tiles. REFINE POWDER is also contributing to a reduction in CO₂ by being used in various applications in addition to carpet tiles including sound insulation materials, building materials, flooring materials and automobile parts.

We will continue to proactively develop environmentally-friendly and sustainable recycled resin product materials with excellent recyclability as is consistent with the Sustainable Development Goals (SDGs). We will also actively disclose the environmental performance of those recycled resin products. Those efforts will contribute to the building of a sustainable society.

*1: SuMPO Environmental Label Program

This SuMPO Environmental Label Program is what is called a Type III Environmental Product Declaration (EPD) compliant with the ISO 14025 EcoLeaf international standard. EPDs indicate quantitative environmental information from resource extraction to manufacturing, distribution, use, disposal and recycling of declared products. These are managed and operated by the Sustainable Management Promotion Organization. They are utilized as the objective basis for quantitatively setting and evaluating CO₂

reduction targets in corporate activities and the environmental burden of products.

Inquiries

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